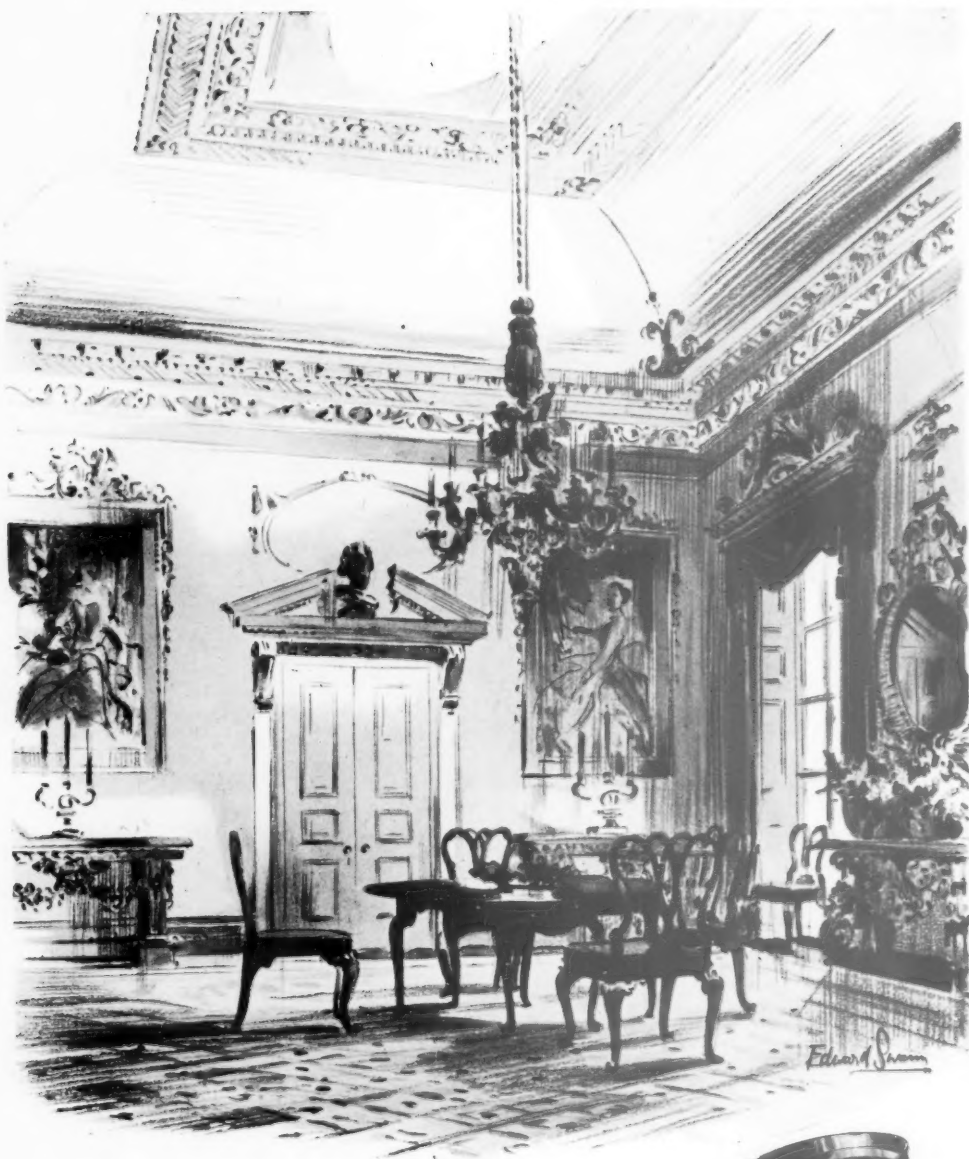


THE ARCHITECT & BUILDING NEWS

IN THIS ISSUE

- NEW OFFICES AND WORKS AT BASINGSTOKE
- NEW BUILDINGS. NORTH THAMES GAS BOARD
- NEW LABORATORY, STEWARTBY

JULY 12, 1951 · VOL. 200 · NO. 4308 · ONE SHILLING WEEKLY



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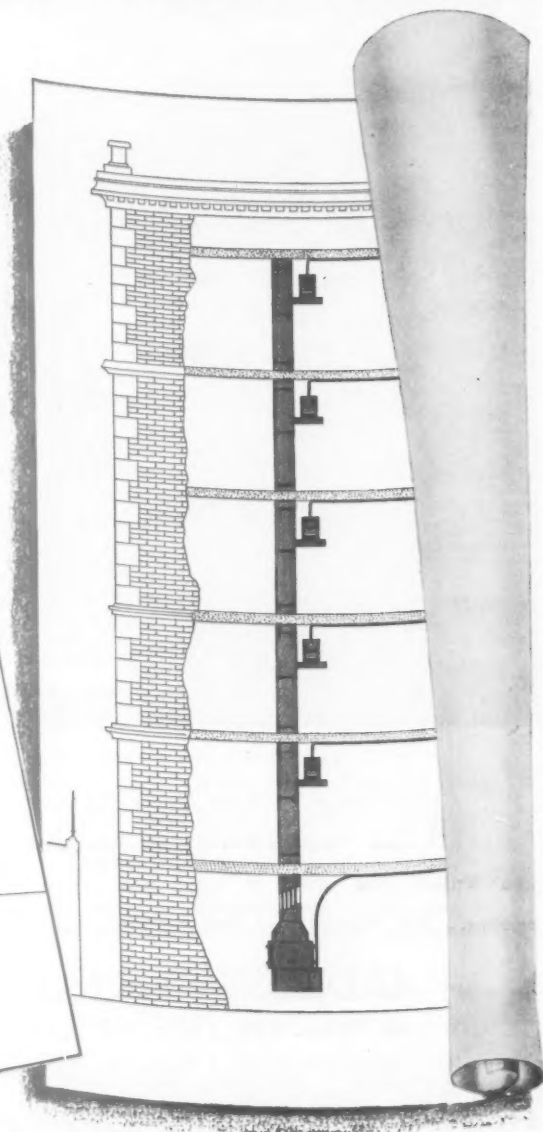
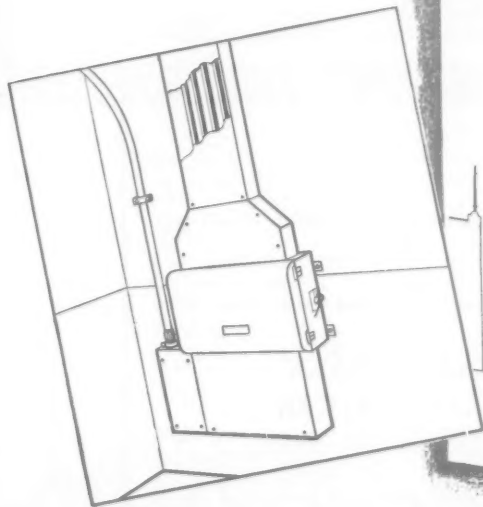
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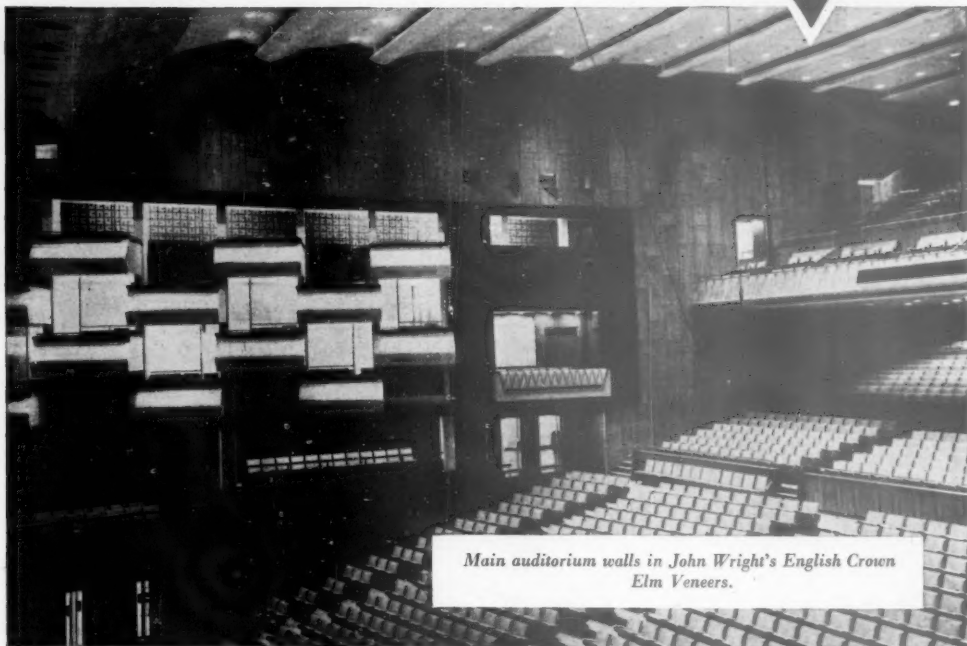
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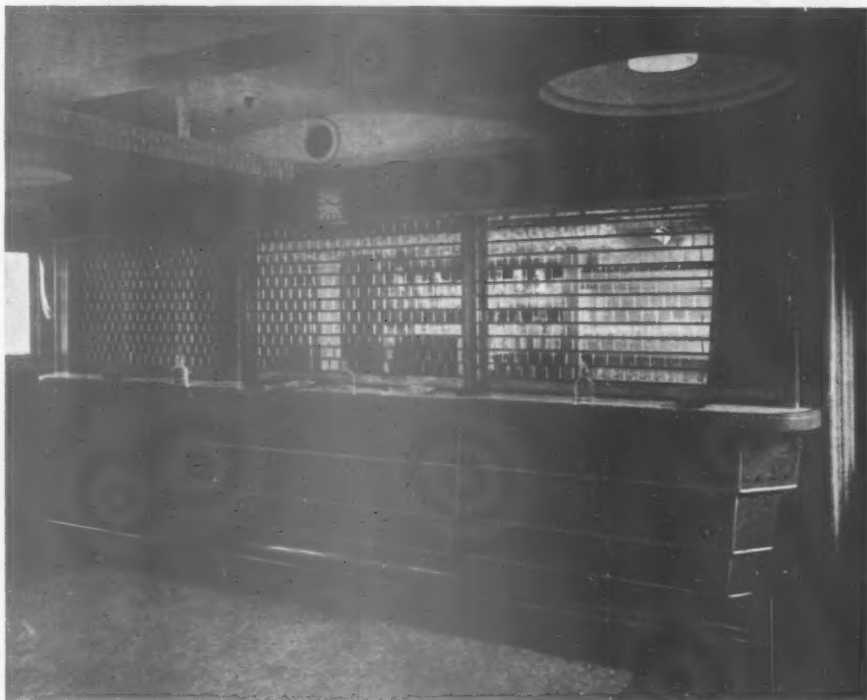
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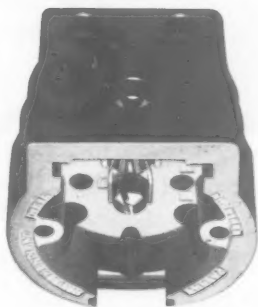
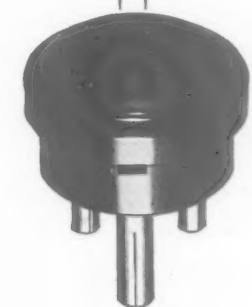
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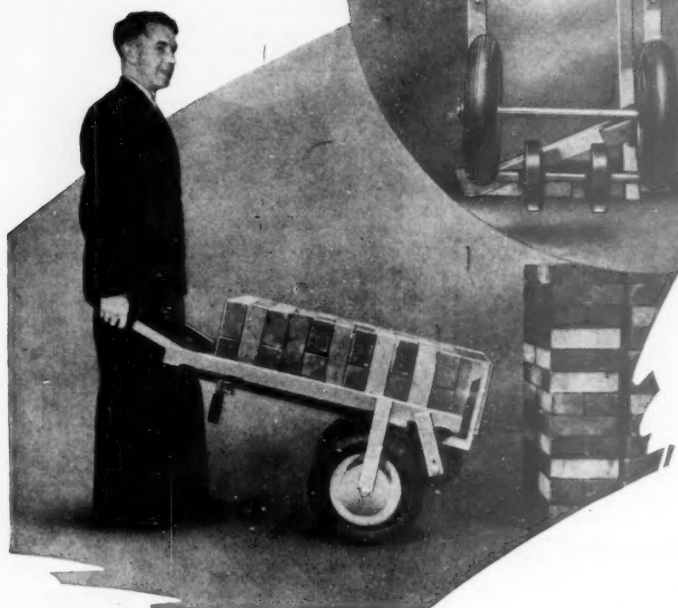
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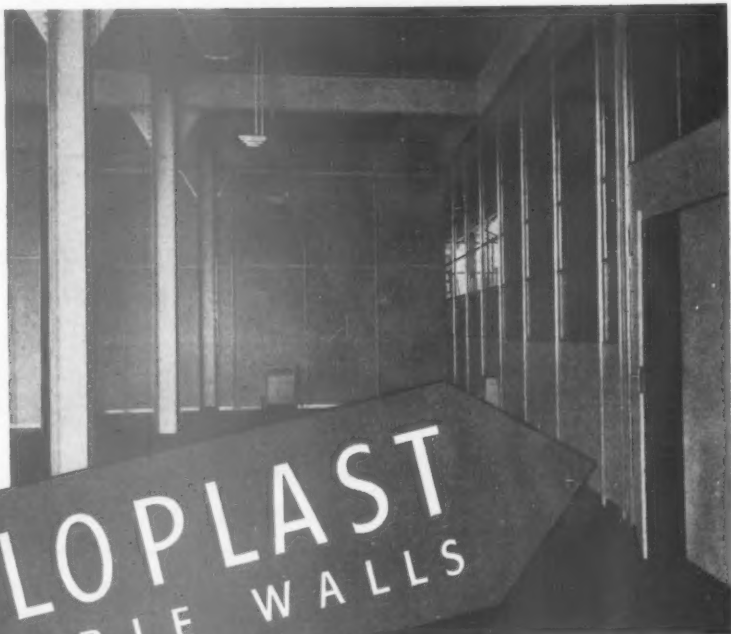
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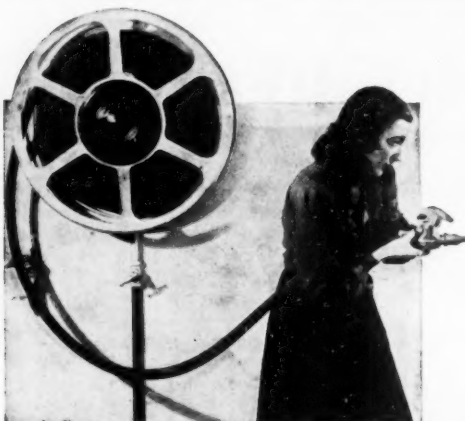
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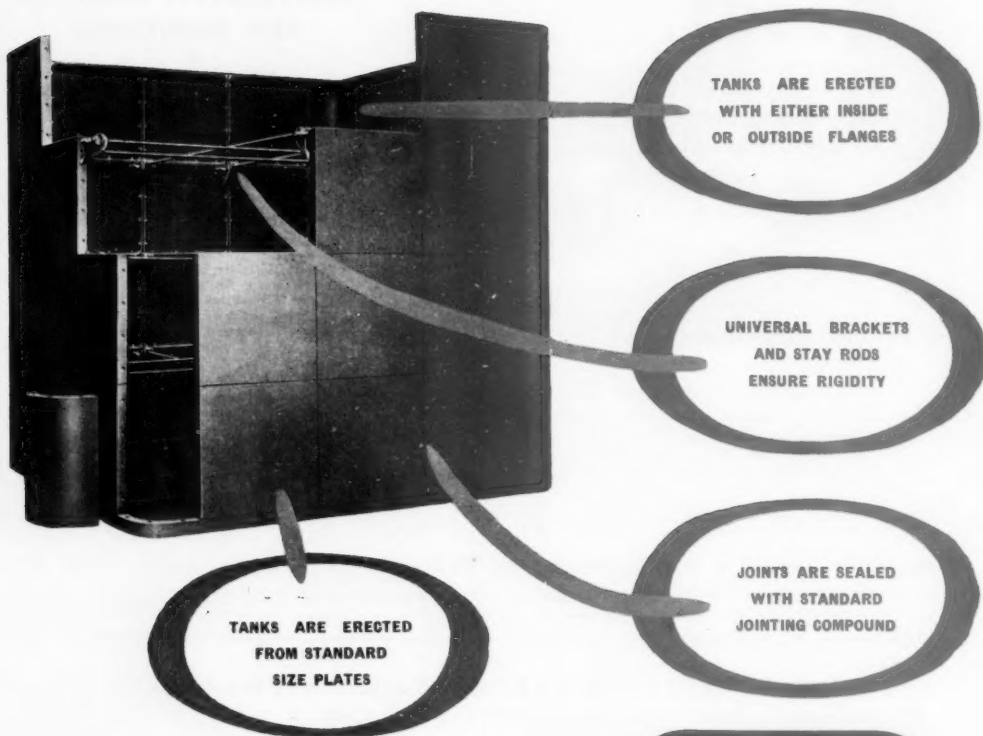
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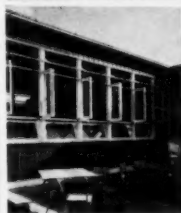
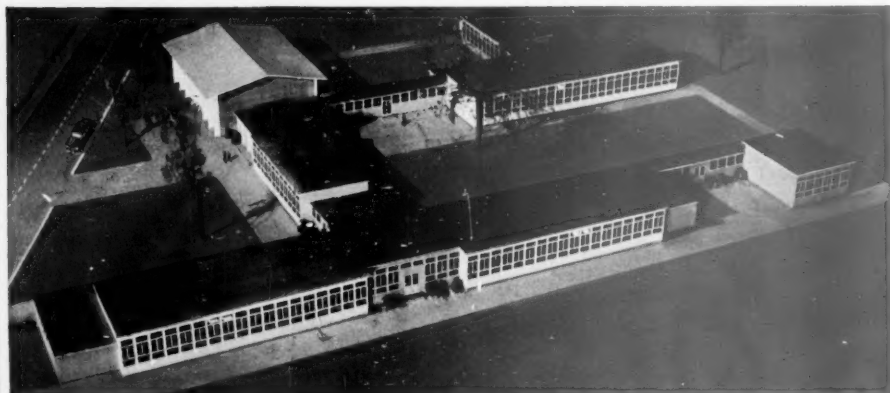
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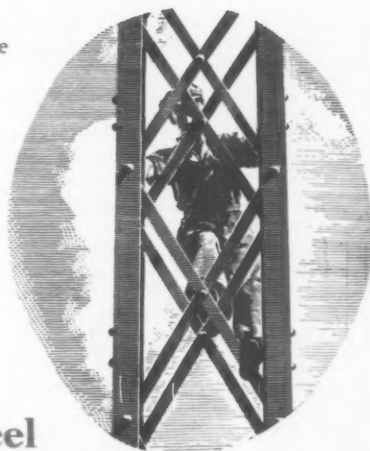
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A job done with zest

What this young woman is up to we are not quite sure, but she's getting on with the job and obviously enjoying it; that smile comes from following her creative urge.

All jobs well done are done with zest, whether it is lacing up a doll's shoe or the erection of a mighty steel structure.

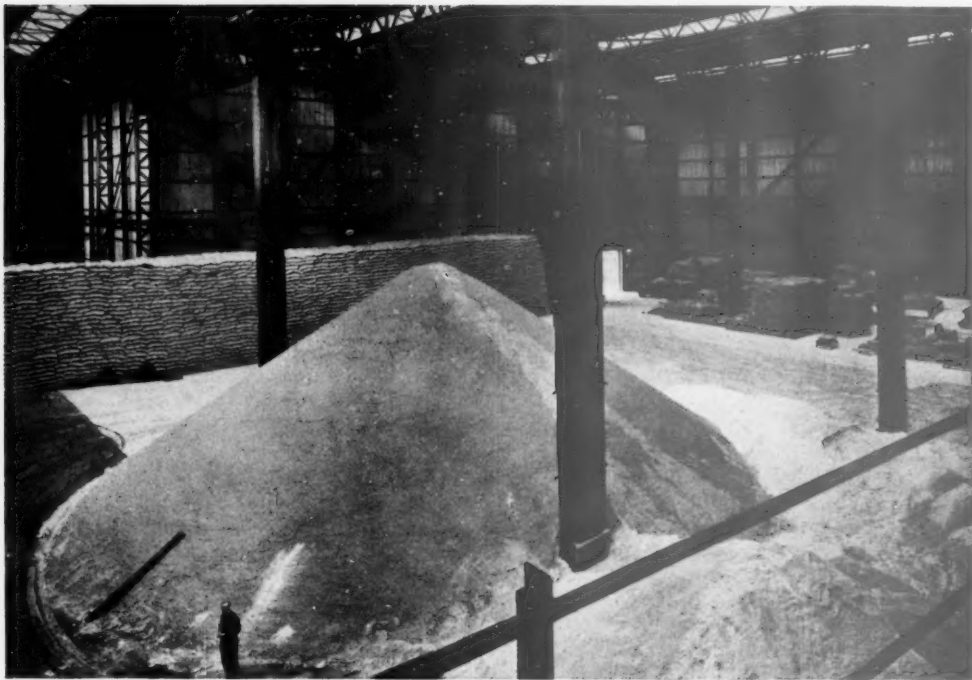


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THE
ARCHITECT
& BUILDING NEWS

July 12, 1951

The "Architect and Building News" incorporates the "Architect," founded in 1869, and the "Building News," founded in 1854. The annual subscription, inland and overseas, is £2 15s. 0d. post paid; U.S.A. and Canada \$9.00

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A HUNDRED YEARS OF ARCHITECTURE

THE Festival Exhibition—"One Hundred Years of British Architecture"—was opened this week by the Earl of Bessborough at the R.I.B.A.

The subject of this show cannot but give rise to thoughts that are broader and perhaps more introspective, historically speaking, than the mere contents of the exhibition.

This hundred years covers the more intensive period of the Industrial Revolution in this country—the first of its kind in the world. Expansion was the watchword and individuality the blazon. It is, therefore, nothing to be surprised at if there should be more building and less homogeneity in architecture than has ever been seen before. An exemplar of the rather debatable philosophy that art and architecture express the times in which they are produced.

This hundred years coincides, but for some seventeen years, with the existence of the Institute. It is, therefore, an exposition of organised professional architecture. Before the 1830s architecture was still very much a perquisite of the intelligent amateur, the ubiquitous traditional builder or the rarer architect; the latter was an individual acting outside the organism of a profession, dependent on prestige and patronage rather than on status or statutory authority.

This hundred years, then, can be said to be, virtually, an historical review of the profession of architecture. An epoch in which architecture has become no longer entirely an expressive reaction between the patron and an outside world, helped or not by an "architect," but rather the product of designers, who must, by the very nature of their existence, be as concerned with the status of their profession as with the quality of the architecture which they are employed to produce. Has this great change brought us better architecture—better, that is, than that which has come to us from previous epochs?

This hundred years impinges at its latter end very closely upon our own post-war times and these are very difficult to arrange in fair perspective; but, by and large, it is very doubtful if this hundred years will be recorded as a great period of architecture. It is already held to be a period of transition and change (to what is still uncertain)—a stage of eclecticism probably without parallel in the history of the world and certainly of this country. It has seen some very notable achievements, both of building and planning, as can be well seen in the R.I.B.A. exhibition; which of its many larger buildings will live to find themselves classed with the Cathedrals of Durham and Salisbury, with Greenwich Hospital, Seaton Delaval or Dulwich Art Gallery as outstanding examples of imagination and national expression in architecture? Will its minor buildings survive in fact or memory to rank with the humbler British rural and urban works of those previous two or three hundred years which we try so hard now to preserve?

That these and similar questions can be asked at all is an indication that basic criteria of judgment are probably lacking from the appreciation and critical faculties of our time; if this is so, it may be not unlikely that real feeling for and general knowledge of architectural design as a conscious and civilised attribute of man has seriously decreased. The vital question is whether this is an eclipse or whether architecture is to be lost in the evolution of something more akin to either the rigidity of the laboratory bench or to a cult of individual eclecticism posing as the expression of a new social-pattern? That the times get the things they deserve is, perhaps, true after all.

This particular hundred years—the first century of organised professional architecture—provokes other questions: has the status of the architect progressively improved and is it likely to do so? There is no doubt that, viewed apart from the products

of the profession, the establishment of the latter has been of great benefit to itself and probably to the life and work of the nation. The long uphill journey towards definite standards of education and finally to the minimum standard of registration has placed architects on a footing with other professional and often older bodies. The whole of the present architectural school system has grown up in less than half this hundred years and the closed profession only within the last twenty years. Patrons too have changed from the individual, either as a homeowner or a working industrialist, into a council promoting housing or into a chain store company or combine promoting shops, factories or offices. Even the profession is changing from

private offices to public-service establishments.

It is difficult to see whether this new level of practice is really for the good of the architect. It is too soon to sum-up his new or his future status. Ten years of war within the lives of all our middle-aged practitioners has increased the problem.

Whether or not the changes to both architect and his environment in the last hundred years are to be for a greater architecture is even more difficult to determine. Perhaps there are signs that, given peace with the possibilities of increased expansion, architecture is entering into a new period and a new life. If architecture is really a factor of civilised existence it can only be hoped that the signs continue without further frustration.

EVENTS AND COMMENTS

PROFESSOR GROPIUS SPEAKS

Despite short notice and very limited publicity about four hundred and fifty enthusiastic architects and students heard Walter Gropius speak on "The Position of Architecture in the World of Science" at a meeting organized by the M.A.R.S. Group at the R.I.B.A. last week. The verbatim report will appear in next week's issue. Unfortunately it is not possible to reproduce here Professor Gropius'



From the R.I.B.A. exhibition "100 years of British Architecture." The writing of a caption for the photograph would form a splendid subject for a competition in one of our literary weeklies, but it actually shows J. O'Shea carving a window of the Oxford Museum, architects Deane and Woodward.

slides of his buildings at Harvard. His remarks on group practice were very interesting but I cannot see how everyone in a group can be equal if one of them is Walter Gropius. Perhaps he exercises a benevolent dictatorship. This country has seen several notable examples of group practice, nearly all of which have produced real contributions to architecture for a short period before breaking up. Architects are strangely fickle in their partnerships and although there are firms which have not changed except for the addition of younger partners for generations, not many groups have lasted more than a very few years. Obviously group practices call for special qualities in their members and perhaps it is this which, added to all the other anxieties of architectural practice in this country to-day, makes successful group practice so difficult. Professor Gropius' description of his group, The Architects' Collaborative, or Tek, made it sound like a perfect organization with everyone speaking their mind and listening to, but not necessarily taking, everyone else's advice. This system requires far more self discipline than the more normal boss and employee one and I imagine it is for this reason that many of our groups, which looked so solid and well organized from the outside, broke up.

Experience has shown that group practice is well suited to the production of good contemporary architecture and I only hope that those groups which remain, are being formed or are to be formed, will be able to discipline themselves to work in harmony for many years, and may they all be lucky enough to have a Walter Gropius among them. Anyone who considers that Professor Gropius' ideas are out-dated might consider signing up Salvador Dali who says that "masochistic modern architecture will be replaced by the comfort of inner secretion" Whatever, as Gropius said, that means.

SMITH

Mr. Kidder-Smith has a world-wide reputation as an architectural photographer and it is difficult to write sensibly about his exquisite pictures. I have not yet got used to colour photographs but I am bound to admit that Mr. Kidder-Smith's have gone a long way towards converting

me. The pictures of North Africa which he showed at a general meeting of the A.A. last week make me want to sell my camera and, as an eminent architect present remarked, would make many a painter throw his brushes and palette away. They bear the same relation to my photographs as the school stinks lab. bears to atom-splitting, and beneath the pleasure which I felt at seeing them was that vague sinking feeling which the thought of atoms always produces. Smith, for thus he refers to himself when speaking, longs to get back to the drawing board and intends to do so as soon as he has "cleaned up Italy." How a man could turn to mere architectural drawing when he has been pressing buttons with such deadly effect for so long and has such a string of books behind him I do not know. It will indeed be interesting to see what sort of architecture he produces. "Smith Builds" may prove to be a winner like the rest of them.

Mr. Kidder-Smith's talk was given with considerable modesty. "I guess that there are many people here who know a great deal more about Roman architecture than Smith does" and in a most disarmingly diffident manner, "they discovered that it was a Roman ship sunk in a storm about two hundred B.C. . . . or A.D. . . ." His lack of exact dates may have shocked the distinguished archaeologists present but it in no way detracted from the beauty of his pictures. There is no doubt whatever that Mr. Kidder-Smith knows exactly how to photograph buildings but some people may doubt his assurance that all the pictures were taken as and when the subjects presented themselves. If this was indeed true it is most remarkable how clouds of the right size and shape and shadows in precisely the right places appeared at the critical moment. Mr. Kidder-Smith has a reputation for waiting for days for the right conditions for a photograph, but he side-tracked a questioner who tried to pin him down on this point. Frank Yerbury, one of our most skilled architectural photographers, and one who has now taken to colour, praised Kidder-Smith's skill and pointed out that whereas in large photographs bad composition can be removed with a trimming machine, when using 35mm film the whole picture appears in the finished transparency. This confirmed Kidder-Smith's earlier remark that he was lucky in that most people saw in ovals while he saw in rectangles.

HOUSES IN THE TOWN

It is not often that we see three architects starring in the same film. "Houses in the Town" made for the C.O.I. by the Crown Film Unit stars William Holford, lecturing on urban densities to a rapt audience of London Universities Students; Frederick Gibberd as the big time architect demonstrating most effectively with models the advantages of variety in site planning and Robert Matthew as the producer of "Live Architecture" at Lansbury. The theme of the film is variety in lay-out and the avoidance of dreariness. Many of the shots are excellent and the three architects come out well as themselves if rather blue chinned. Is there something which prevents amateur film stars from wearing make up? Unfortunately just as I was settling down to enjoy one of the first really sensible films about architecture it stopped. Other people noticed this and I have discovered that there is an explanation. As originally planned the film was to end with the Lansbury market place in full swing, and this was to have been shot late last year. As everyone knows the market is not yet

ready. The film could not be held up any longer and we see it incomplete. A proper ending will be added.

CARDS, BANKNOTES AND GAS OVENS

A distinguished speaker at a dinner is reported to have remarked that the De La Rue company which started by printing playing cards, then took up bank notes and then added the manufacture of gas ovens, reminded him somewhat of the Rake's Progress.

As briefly reported in "News from the Building Industry" last week these are only three of the great many activities of the De La Rue Company which is perhaps best known to architects for the manufacture of plastics sheeting. I was surprised to hear that the company is the largest printer of banknotes in the world and having seen the complicated methods by which these convenient pieces of paper are produced I am not surprised that forgery is fairly uncommon. On the question of guides I differ from my colleague in the Building Section. An exhibition is either designed to be self explanatory or it is not, and this one is. I personally cannot take in captions when someone at my side, charming or technically well informed or both, is explaining to me what everything is about. I found myself trying to dodge the guides which was perhaps naughty because they were very kind and informative. My reaction was identical with that of my rude son on a visit to the Science Museum at the age of nine, who, when I began to explain a model, cut me short with "I can read."

STONE SLATES

Among the one hundred and seventy-eight different types of stone slate recorded on a barn in the Cotswolds are the following: Farwells, Chivellers, Gardians, Spots, Cuttings, Batchelors and Wivets. Does anyone know their origins?

CHOICE OF CAREERS

Number sixteen in the new series of pamphlets on the Choice of Careers issued by H.M.S.O. for the Central Youth Employment Executive is entitled *The Architect*. The previous fifteen pamphlets range from the *Civil Service*—rather naturally No. 1—to *Management in the Hotel and Catering Industry* by way of *Bespoke Tailoring*, *Domestic Science and Dietetics*, and four different building trades. I wonder how the subjects are chosen and why there are so many connected with the building industry. In the new pamphlet the life of an architectural assistant is quite well explained and some advice is given on the qualities needed in a would-be architect. Since the booklet is addressed to young people it does not mention the frustrations and difficulties of present day practice. The idea being, I suppose, that things may be better one day. All the same some indication should have been given of the way that the practice of architecture can be crippled by economic policy and how, since the war, the building industry has been the first to suffer in any government retrenchment scheme. It is a sensible little book containing most of the facts but also containing a fine howler. It refers to the *National Federation of Master Builders* as the authority requiring Bills of Quantities on larger building works.

ABNER

NEWS OF THE WEEK

Special Architectural Awards in 1951

As already announced, the Council for Architecture, Town Planning and Building Research, on behalf of the Festival of Britain Council, decided to invite nominations for awards for the achievement of a high standard in civic or landscape design.

The main object of the scheme was to stimulate an interest in landscape or architectural design which would be beneficial for future work. The scheme also had as an additional object the provision of an historical record of accepted ideas of good design at the time of the Festival.

Any buildings, or group of buildings or any improvement to rural or urban landscaping (excluding very large nominations such as new towns or large development schemes, and very small nominations such as single houses) were eligible for the award.

The works had to be in Great Britain and able to be viewed externally by the public. Their construction must have been begun after August 15, 1945, and must have reached a sufficiently advanced stage of completion by September 1, 1950, to permit of visual judgment.

The Festival Council, on the recommendation of the Council for Architecture, Town Planning and Building Research, has now selected nineteen architectural and landscape designs to receive awards. There were 173 entries. At a ceremony being held at 11 a.m. on Thursday, July 12, 1951, in the Royal Pavillion, South Bank Exhibition, certificates confirming the awards will be presented to the designers. The Council will then invite the appropriate persons to fix a specially designed Festival emblem to the selected works in the form of a permanent plaque and, in appropriate cases, the local authority will be invited to organize a suitable unveiling ceremony.

The winners of the Special Architectural Awards are:—

Messrs. Fry, Drew & Partners for work at "Passfield," Bromley Road, Catford, London, S.E.6, flats.

Messrs. F. R. S. Yorke, F.R.I.B.A., E. Rosenberg, C. S. Marell, A.R.I.B.A., for work at Stevenage, Hertfordshire, Secondary School.

The Peter Dunham Group, for work at Asthall, Oxfordshire, cottages.

Messrs. Norman & Dawbarn, for work at St. Pancras Way, London, N.W.1, housing scheme.

Messrs. Powell & Moya, for work at Pimlico, London, S.W.1, housing scheme.

Frederick Gibberd, F.R.I.B.A., M.T.P.I., for work at the Appleby Frodingham Steel Works, Scunthorpe, Lincolnshire.

Messrs. Martin J. Slater, F.R.I.B.A., and Birken Haward, A.R.I.B.A., for

work at Rushmore Primary and Infants School, Ipswich.

Frederick Gibberd, F.R.I.B.A., for work at the Somerford Estate, London, E.1.

F. E. Southgate, A.R.I.B.A., A.M.T.P.I., M.I.M.E., Borough Architect, for work at Oak Hill, Woodford Green, London, E.17, housing estate.

Messrs. Basil Spence & Partners, F.R.I.B.A., for work at Laleham Road, Shepperton, Middlesex, housing.

Messrs. Oliver Hill, F.R.I.B.A., and Edward Dudley, L.R.I.B.A., for work at Newbury Park, Eastern Avenue, Ilford, Essex, bus station.

Charles Bernard Brown, for work at The Paragon, Collonade House, and 2-6, South Row, Blackheath, S.E.3.

Thomas Bilbow, F.R.I.B.A., for work at the White City Station, London, W.

Johnson Blackett, F.R.I.B.A., for work at Gaer Housing Estate, Newport, Monmouthshire, Wales.

Arthur M. Whydale, L.R.I.B.A., for work at Priory Memorial Gardens, Royston, Hertfordshire.

Messrs. Norman & Dawbarn, for work at Heath Park Estate, Dagenham, Essex.

Messrs. Taylor & Green, F.R.I.B.A., for work at Wheatacre, Goldstone, Hedenham, Aldeby and Thurton, Norfolk, housing.

Messrs. Edward Armstrong, F.R.I.B.A., for work at Queen Adelaide Court, London, S.E.20.

Competition Result

Festival Hall, Wirral

In the competition promoted by Wirral Urban District Council for a Festival Hall to be erected at Heswall, Wirral, the Assessor, Mr. P. Garland Fairhurst, M.A., F.R.I.B.A., has made the following awards:—

First Premium of £500: Kenneth Dod, of 39, Gordon Square, London.

Second Premium of £350: D. D. Attwater, A.R.I.B.A., and J. Baker Mellor, Dip. Arch. (Manchester), A.R.I.B.A., of 41a, Grange Rd., Southport.

Third Premium of £250: C. H. Barnett, B. Arch (L'pool.), A.R.I.B.A., and P. Harding, assisted by A. Green, of 44, Elms Drive, Kirkella, Hull. The winning designs will be illustrated in next week's issue.

The annual dinner of the Royal Institution of Chartered Surveyors was held at the Dorchester Hotel on Thursday, July 5.

The Rt. Hon. Hugh Gaitskill, C.B.E., M.P., the Chancellor of the Exchequer, proposed the toast of "The Royal Institution of Chartered Surveyors," to which the President, Mr. J. A. Arnold-Forster, O.B.E., replied. The toast of "Our Guests" was proposed by Sir Edward Gillett, past-President, and the response was made by the Rt. Rev. J. W. C. Wand, the Lord Bishop of London.

City of Aberdeen Town Planning, Housing and Health Exhibition

The Corporation of the City of Aberdeen has organized as part of its Festival of Britain programme a public Exhibition of the Comprehensive City Survey and Advisory Development Plan recently prepared for the Corporation by its Town Planning Consultants, Messrs. W. Dobson Chapman and Partners, of Macclesfield.

This Exhibition, which is being held in the Music Hall, Aberdeen, is open to the public on each week-day from Friday, July 6, to Friday, July 27 (inclusive), from 10 a.m. to 9.30 p.m.

The purpose of the Exhibition is to make known to the public the problems confronting those concerned with improvement of the city and the guiding of new development along sound lines. These problems and the many good, and not so good, features of the city structure as it exists are shown graphically and in much detail on the various survey maps and diagrams to be exhibited.

The findings of the survey are analysed for the visitor and the proposals drawn by the authors of the plan for the future development and redevelopment of the city are exhibited in great detail and are clearly presented in the form of coloured maps, diagrams, perspective and other three-dimensional drawings, large-scale models and pen sketches.

Supplementary features of the Town Planning exhibits include a *Technical Section* organized by Aberdeen's Director of Town Planning, in which the more technical elements of the Consultants' Survey and Plan are on display for those with more than a lay interest in town planning.

The Exhibition incorporates a *Housing Section* organized by the Aberdeen City Architect, in which examples of the work of the Corporation Housing Department are portrayed, including a full-size section of a modern dwelling unit in a multi-storeyed block of flats, and a *Health and Welfare Section*, organized by the Aberdeen Medical Officer of Health, in which some idea of the great progress made in the field of health and welfare services undertaken in the city is shown with great effect.

In addition there are to be displays of films relating to town planning, housing and health and welfare, and public lectures are to be given by those engaged in the preparation of the city plan and in planning administration in the national and local spheres on the Tuesday and Friday evenings during the period of the Exhibition.

The authors of the plan have written an interesting book in which is described the history and growth of the Granite City, its features to-day and

their proposals for the future in a form which may be easily read. This book, which has as its title "Granite City—A Plan for Aberdeen," is now being printed by the Aberdeen University Press, Ltd., and will be published in September by Messrs. Batsford at a price of two guineas.

Mr. Lewis J. Clarke, a student of Landscape Architecture in the Department of Town and Country Planning, King's College, University of Durham, has been awarded a Smith-Mundt Fellowship and a Fulbright Grant to Harvard University in the U.S.A.

Mr. Clarke has recently passed the examination for the Diploma in Landscape Design of the University of Durham. He was formerly a student at the Leicester School of Architecture.

The course in Landscape Design at King's College, Newcastle upon Tyne, is the first of its kind in Britain, and Mr. Clarke is one of the first students to be awarded the Diploma.

ANNOUNCEMENT

Fry, Drew and Partners and Messrs. Drake and Lasdun wish to announce that they have amalgamated as from May 1st, 1951, and have taken two further junior partners, Frank S. Knight, A.R.I.B.A., and Alexander Redhouse, A.R.I.B.A. The firm, to be known in future as Fry, Drew, Drake and Lasdun, will practise from 63, Gloucester Place, London, W.1 (Welbeck 3318 and 6878), the junior partners in the firm being: K. M. Greenwell, A.R.I.B.A., F. S. Knight, A.R.I.B.A., A. Redhouse, A.R.I.B.A., J. B. Shaw, A.R.I.B.A., N. Starrett, A.R.I.B.A., S. E. A. Hounsell (Secretary).

COMING EVENTS

The A.A. Dramatic Society

- July 11, 12 & 13, at 7.30 p.m. *The Alchemist*, at King George's Hall, Adeline Place, W.C.1.

L.M.B.A.

- July 18, at 1 p.m. Central Area No. 2. General Meeting at Derry & Toms Restaurant, W.8. *Brains Trust* composed of three architects and surveyors and three members of the area. Mr. G. H. A. Hughes, Question Master.

Berks, Bucks & Oxon, A.A.

- July 21-31. Oxford Summer School. Architectural History and Measured Drawing.

EXHIBITIONS

School of Architecture, College of Arts & Crafts, Nottingham.

- July 10, 11 & 12, 10 a.m.-6 p.m. *Annual Exhibition of Students' Work.*

A.A. School of Architecture

- July 14-August 10, 10 a.m.-6 p.m. (Sats. 10-2 p.m.) *Annual Exhibition of School Work* at 34, Bedford Square.

Cheltenham F.O.B. Exhibitions

FESTIVAL events in Gloucestershire have put architecture and other visual arts well to the fore, notably in the architecture and Cotswold crafts exhibitions which form part of the Cheltenham Music Festival, and in the Cotswold Tradition exhibition at Cirencester.

The architecture exhibition at Cheltenham is a new and welcome event in a wider programme; it was highly desirable, sooner or later, that visitors to this primarily musical event should have their attention focused on the leading indigenous art. The exhibition is organized by the Gloucestershire Architectural Association, and some aspects of it therefore cover the rest of the county as well as Cheltenham itself. The exhibition in part consists of photographs and drawings of early 19th-century buildings and ironwork in Cheltenham, but it is even fuller, and certainly better documented, on contemporary and immediately future work by members of the Association, each practising architect in that body having been asked to exhibit. The exhibits illustrate conversions and adaptations as well as the drawings and models of entirely new work; it would be invidious to mention any one example from a varied collection (most of it, except for some schools, being on a comparatively small scale), but the total volume of the modern material on view is encouraging and certainly came as a surprise to many of the non-architectural visitors.

The students' measured drawings include those of the Pittville Pump Room which won the Georgian Group's 1951 prize for the best set of measured drawings of a Georgian building submitted by a student under 25. There were also the plans (by the Association's new President, Mr. R. W. Paterson, A.R.I.B.A.) for the immediate and ultimate repair of this finest of all Cheltenham's Greek Revival buildings. It was thus very fitting that the Chairman of the Georgian Group, Lord Rosse, should have had much to say about Pittville Pump Room when opening the exhibition on July 4th. He laid stress, not only on the need for radical steps to put the Pump Room into a sound state of structural repair, but also on the great desirability of the restored building being put to some permanent use. He touched also on the problems, very evident in a Regency town like Cheltenham, of "street furniture," uniform painting of long stucco fronts, interior conversion of terrace houses, and mannerly lamp-standards.

The Cotswold Crafts Exhibition was a very different occasion, housed in the recently redecorated Montpellier Rotunda whose Papworth classicism was a strong contrast to the magnificent display of modern artefacts which come in the main from the traditions of the "Cotswold Manor" style, Wil-

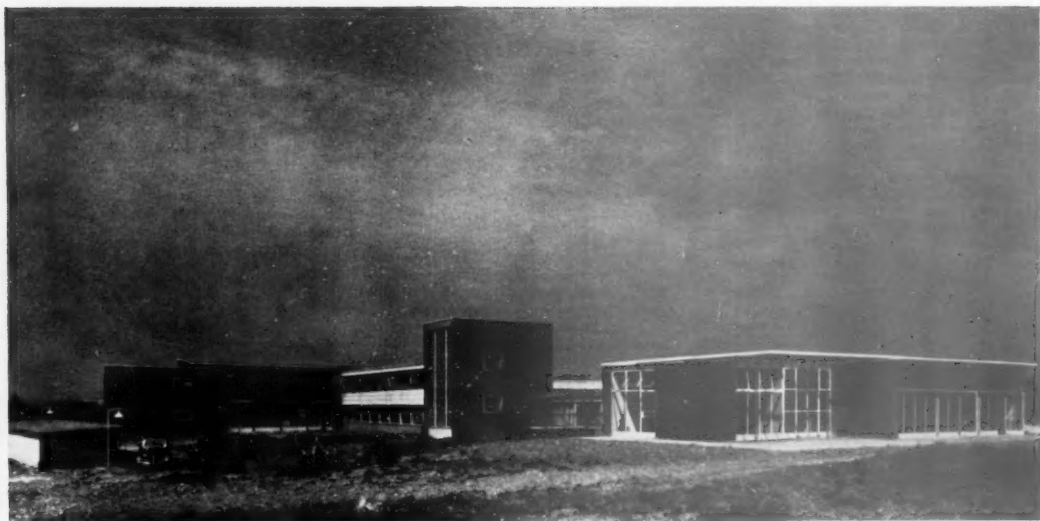
liam Morris and his disciples, and Art Nouveau. It came as an astonishing revelation that such a volume of first-rate craft material (only possible to assemble in so special a year as 1951) should have been produced within the first half of our own century and within so limited an area as the Cotswolds and the Morris factory in Red Lion Square. From the architect's point of view the most interesting section was that devoted to a magnificent display of furniture by such designer-craftsmen as Ernest Gimson and his foreman Pieter Waals, by Kenton and Co. to a Lethaby design, by Edward and Sidney Barnsley, C. R. Ashbee and others. There was also ironwork by Gimson's disciple, Alfred Bucknell, and from the display as a whole one realized the essential unity of the visual arts within the inspiration of such a movement as that set afoot in the Cotswold area and powerfully fostered by the existing traditions of the locality which happened to become the scene of its main activity.

There are also examples of Cotswold crafts, and in a setting more essentially congenial than a miniature adaptation of the Roman pantheon, at the brilliantly conceived, though somewhat cramped, Cotswold Tradition exhibition at Cirencester. The "presentation" of this event is by Mr. Oliver Hill, F.R.I.B.A., and it lasts till September, so that there is plenty of time left in which to see it. The section on handicrafts in the admirable catalogue (which includes a bibliography) is, in fact, a better exposition of the Morris-Ashbee Movement than any printed matter available at the Cheltenham display; it is an interesting historic irony, in this year of 1851's centenary, that the tradition of modern Cotswold crafts arose as a deliberate reaction, by William Morris, from what he had seen at the Great Exhibition. The main plan at Cirencester is threefold—Cotswold stone, Cotswold wool, and Cotswold agriculture, with historic, sporting and military exhibits as well. The smell of the Witney blankets and other fine woollens is a fascinating feature, but the section that will most interest architects is that on Cotswold stone and what can be done with it. Most of the items are photographic, ranging from the Romanesque of Deerhurst and Malmesbury to the Perpendicular wool churches and 17th-century domestic work, but there are also some "live" exhibits, including a Renaissance tombstone from Elkstone, a full variety of local stone roof-tiles in their descending sizes, and a specially built dry wall whose technique is exactly that of the neolithic stone walling of the famous tumulus at Belas Knap.

B. L.

ARCHITECT'S WILL

Mr. Herbert Tudor Buckland, F.R.I.B.A., M.T.P.I., of Edgbaston, for many years architect to the Birmingham Education Committee, left £34,827.

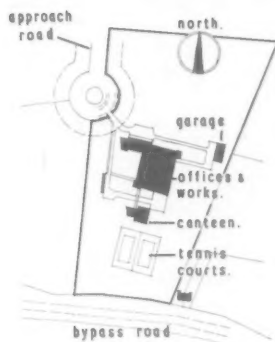


General view from the S.W. On the right is the canteen.

**New Offices and Works at
Basingstoke, for Messrs.
L. M. Van Moppes & Sons Ltd.**

architects
MOIRET AND WOOD, A.R.I.B.A.

assistants
P. R. YOUNSON and V. LEVETT



THESE premises are designed to meet the requirements of a group of companies specializing in the grading and marketing of industrial diamonds, the making of various classes of diamond tools, and the production of diamond powder abrasives.

The three functions are to some extent independent, and result in a range of North-fronting offices with large windows for diamond-sorting, a single-storey portion with North-light roofs for the various tool-making shops, and a block of laboratories, at present single-storeyed but capable of extension upwards as well as laterally.

The diamond sorting rooms are on the first floor of the main building, and on one side the tool-making division extends beneath them so as to give the diamond shaping room the advantage of large windows with a N. aspect.

A canteen designed to provide lunches for the combined staffs in two shifts is connected with the main building by a bridge over a sunken yard from which access is had to the boiler room and electrical intake.

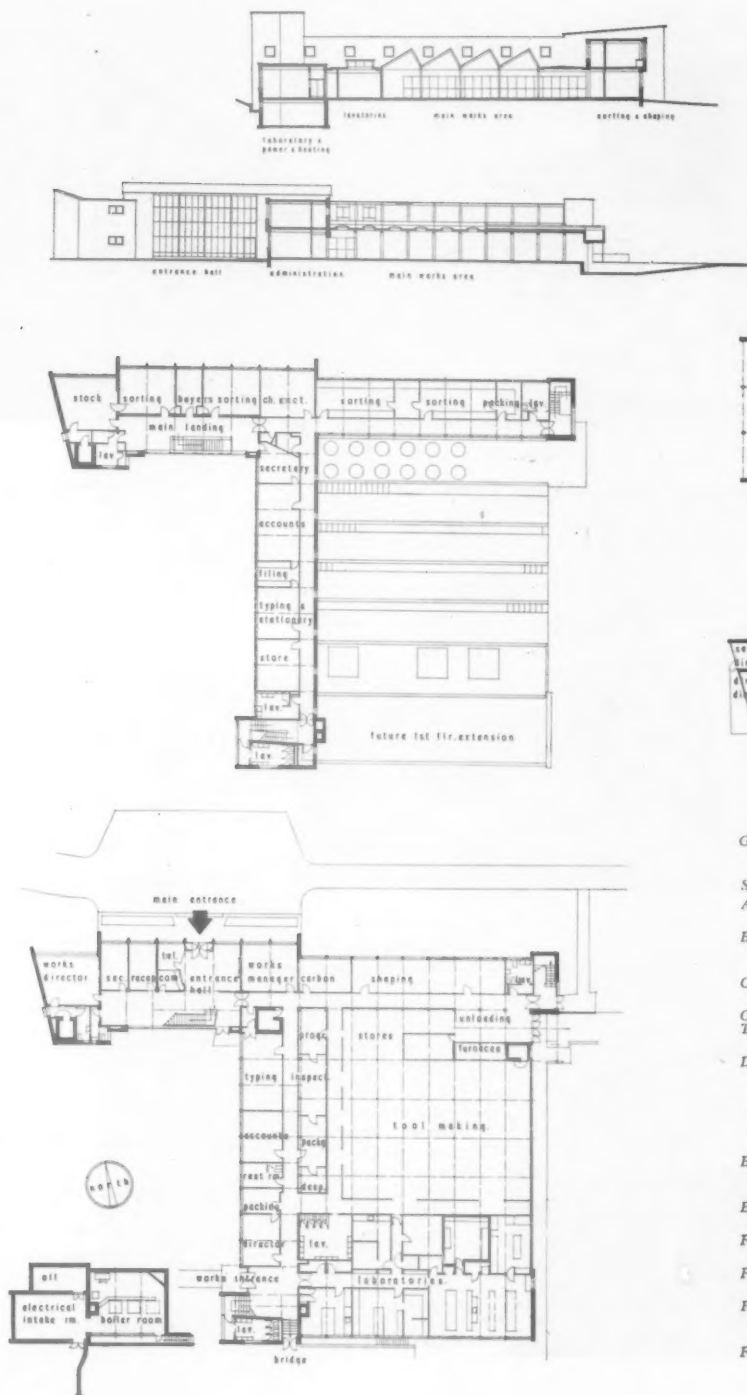
A garage for motor vehicles is also provided, and this has a flat over it for a resident member of the staff.

The buildings have been sited so as to permit Eastward extension of all departments, including the canteen.

Construction is in steel frame with hollow tile floors and roofs. Main bearing walls are faced with dark semi-engineering bricks, and panel wall surfaces are alternatively in silver-grey brick, or concrete finished in Stic B paint. Metal windows generally are painted in dark blue, silver grey and white.

Flat roofs are rock asphalt finished; floors are variously of composition, granolithic, cork tile and teak strip. The entrance hall has travertine paving and wall lining and from it rises the main staircase of light steel construction with freely suspended cork treads.

Heating is by low pressure hot water from oil-fired boilers. Hot water is derived partly from the same source, partly from local electric storage heaters. Cooking in the canteen is by gas.



GENERAL CONTRACTORS:

J. Jarvis & Sons, Ltd.

SUB-CONTRACTORS:

Artificial Stone:
Stuart's Granolithic Co., Ltd.

Bricks:
Rowlands Castle Brickworks, Ltd.

Cooking Equipment:
Radiation, Ltd.

Cork Tile Floors and Stair Treads:
Mundet Cork Products, Ltd.

Doors:
Durasteel Roofs, Ltd., Fire-resisting,
Linden Doors, Ltd., Flush Doors,
J. Starkie Gardner, Ltd., Main Entrance.

Electrical Installation:
The Phoenix Electric Co. (London), Ltd.

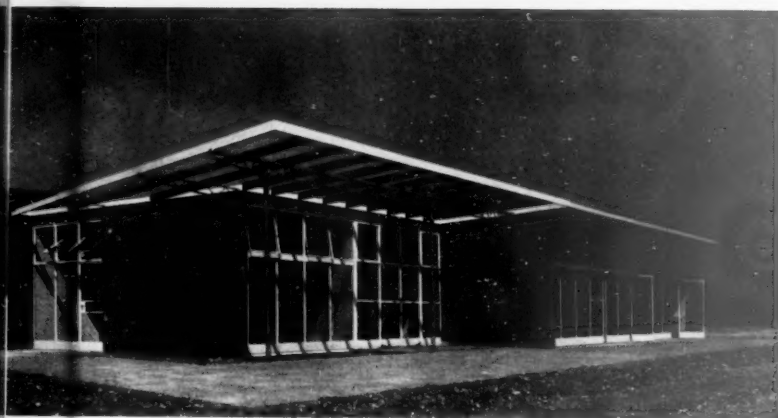
Extract Fans:
Keith Blackman, Ltd.

Fencing:
A. J. Binns, Ltd.

Fire Hose Reels:
Merryweather & Sons, Ltd.

Floors—Composition:
The British Dolomite Co., Ltd.

Flooring—Wood Strip & Block:
Vigers Bros., Ltd.



Top Left : The bridge connecting the main building with the canteen. The laboratories can be seen on the right of the picture.

Top right : The North front showing the main entrance also shown with the entrance hall on the opposite page.

Centre picture : The canteen from the S.W.

Bottom picture : The Garage with flat over for resident member of staff.

Gates—Front, Balustrades, etc.:
Gardiner Sons & Co., Ltd.

Glazing:
Aygee, Ltd.

Granolithic Paving:
Empire Stone Co., Ltd.

Heating:
G. N. Haden & Sons, Ltd.

Insulating Linings:
Anderson Construction Co., Ltd.

Ironmongery:
Yannedis & Co., Ltd.

Laboratory Fittings:
Soole & Son, Ltd.

Precast Pavings:
Stent Precast Concrete, Ltd.

Partitions to Lavatories:
Venesta, Ltd.

Plumbing:
Dent & Hellyer (Sanitation), Ltd.

Roofs—Asphalte:
The Val de Travers Asphalte Paving Co., Ltd.

Rolling Shutter:
Arthur L. Gibson & Co., Ltd.

Steel Door Frames & Patent Glazing:
Williams & Williams, Ltd.

Steelwork:
Charles Wade & Co., Ltd.

Stores Equipment & Clothes Lockers:
Norwood Steel Equipment (London), Ltd.

Strongrooms & Steel Partitions:
The Chatwood Safe & Engineering Co., Ltd.

Telephones—Internal:
The Reliance Telephone Co., Ltd.

Travertine Paving & Wall Lining:
Anselm Odling & Sons, Ltd.

Wall & Flooring Tiling:
Wiggins-Sankey, Ltd.

Windows—Steel:
Rustproof Metal Window Co., Ltd.





**New Offices and
Works for Messrs.
L. M. Van Moppes
& Sons Ltd.
Basingstoke
Architects:
Moiret & Wood**

The picture on the left shows
diamond sorting room No. 4 on
the first floor.



**NEW
CANTEEN
AND
MECHANICS'
LOBBY
BROMLEY-BY-BOW
For The
North Thames
Gas Board**



architect: **ELIE MAYORCAS, F.R.I.B.A.**

THIS scheme provides Canteen and Club facilities for a portion of the employees, and washing facilities for the mechanics at the Station. It was found convenient to separate these two functions into two independent single-storey buildings as sufficient land was available.

PLANNING

In positioning the buildings, the client desired that:—
(a) Any portion of the Canteen building immediately adjoining the existing office building should maintain the frontage line of that building. (b) The Mechanics' Lobby building be so sited as to permit possible future extension and to be parallel to line of future development of the Mechanics' Workshops.

The principal requirements in planning the Canteen building were:—(a) Provision of accommodation to serve meals for 300 men, 24 foremen, and 30 administrative and technical staff. (b) The Kitchen to be capable of serving the total number of meals in twenty minutes at one sitting, with a future capacity of three sittings for one mealtime. (c) The Foreman's "Lobby" and Dining facilities were to be a self-contained unit attached to the Canteen building. (d) Accommodation for the Men's Social Club with facilities for Games. The Billiards Room was to be so related to the Men's Canteen as to afford facilities for staging amateur shows.

For the Mechanics' "Lobby" requirements were:—
(a) "Clean" and "Dirty" Locker Rooms (the latter in two tiers) with adequate washing facilities for 220 men; access between rooms to circulate through the wash rooms. (b) A separate Mess Room for use by men bringing their own food.

CONSTRUCTION

In situ reinforced concrete frame. T-beam roof slabs

(except main canteen) and reinforced concrete suspended ground slabs. The superstructure is supported on reinforced concrete beams and piles, cast in situ.

External walls—brick cavity with London Yellow stock facings. Partitions—brick, in Lavatories—Zin precast terrazzo slabs. Men's Canteen roof—aluminium decking supported by steel lattice trusses. Covered way to the Men's Canteen—light steel frames supporting similar aluminium decking. Roof coverings—Multi-ply mineralized bituminous felt on screed covered with ½ in Macadam with protected metal eaves fascia drip.

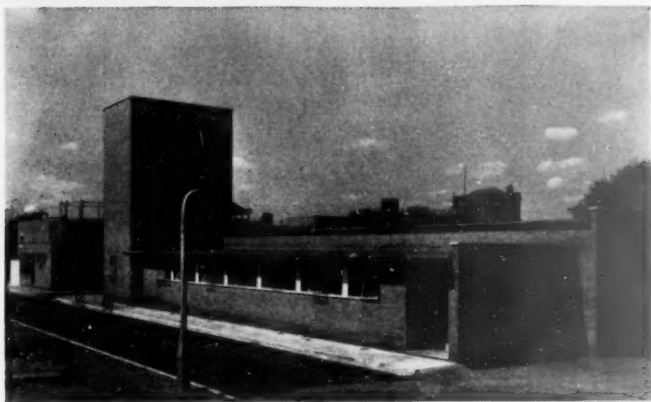
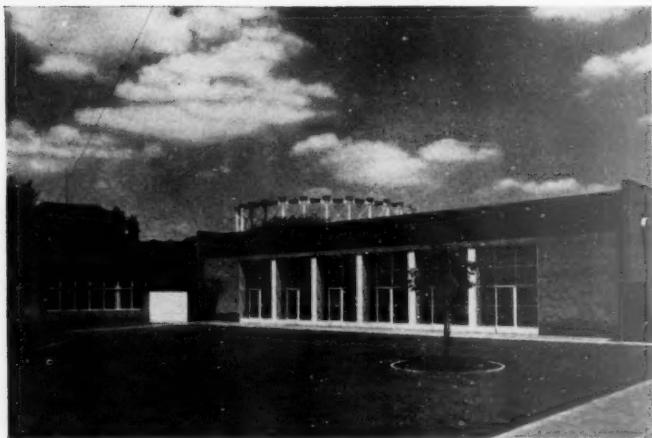
Windows—Purpose-made metal rust proof and pressed steel cills. Copings—Reconstructed stone.

Roof lighting has been used to obtain adequate and uniform daylight throughout the principal rooms where sufficient external wall windows were not possible. Owing to the corrosive nature of the Works atmosphere, rain-water metal gutters and down pipes have not been used. Shedding of rainwater off roofs is by means of extended eaves projections discharging on to concrete paving clear of the walls.

INTERNAL FINISHES

Canteen:

Floors—Muhuhu hardwood block in Games, Reading and Billiards Rooms, Men's Canteen, Staff Dining Room, Foreman's Dining Room and Kitchen Supervisor's Office. Hydraulic pressed tiled floor in Kitchen, Staff Rooms, Lavatories and Foreman's Wash and Locker Rooms. Walls—Cement glazed dados throughout to door height, except glazed tiled dados in Kitchen and Stores. Keen's plaster painted above dados except wall containing Servery in Men's Canteen where acoustic tiles are applied. Ceilings—1 in wood wool, lime plaster distempered except



Top : The Canteen viewed from South-west.
Below : Mechanics' Lobby. The tower houses equipment.

NEW BUILDINGS

BROMLEY-BY-BOW GAS WORKS

in Games, Reading and Billiards Rooms where acoustic tiles are applied to suspended ceiling at beam soffit level and in Men's Canteen where the aluminium decking is exposed.

Mechanics' "Lobby":

Floors—Patent sub-divided composition throughout except in Heating Chamber, Stairs and Fan Room, where granolithic has been laid. Walls—Cement glazed dadoes throughout to door height except painted fair face brick in Heating Chamber, Stairs and Fan Room. Keene's plaster painted above dadoes. Ceilings—lin wood wool, lime plaster distempered (painted in Wash Room) except fair face painted concrete in Stairs, Heating Chamber and Fan Room.

Doors and frames—Generally are mahogany hardwood treated with patent clear plastic finish.

Kitchen—Tabling worktops and fittings are in stainless steel and hardwood. Glazed fireclay sinks are supported

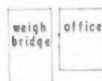
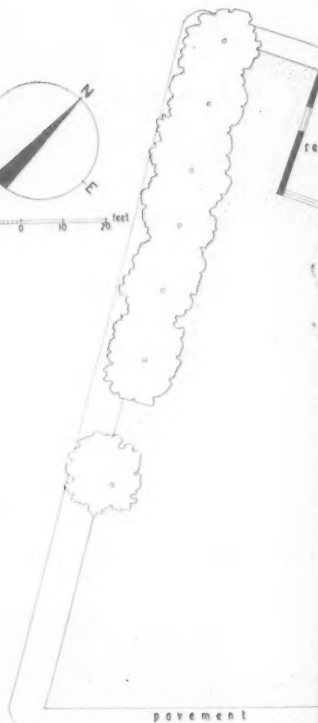
by built-in brackets to keep floors as free as possible for cleaning.

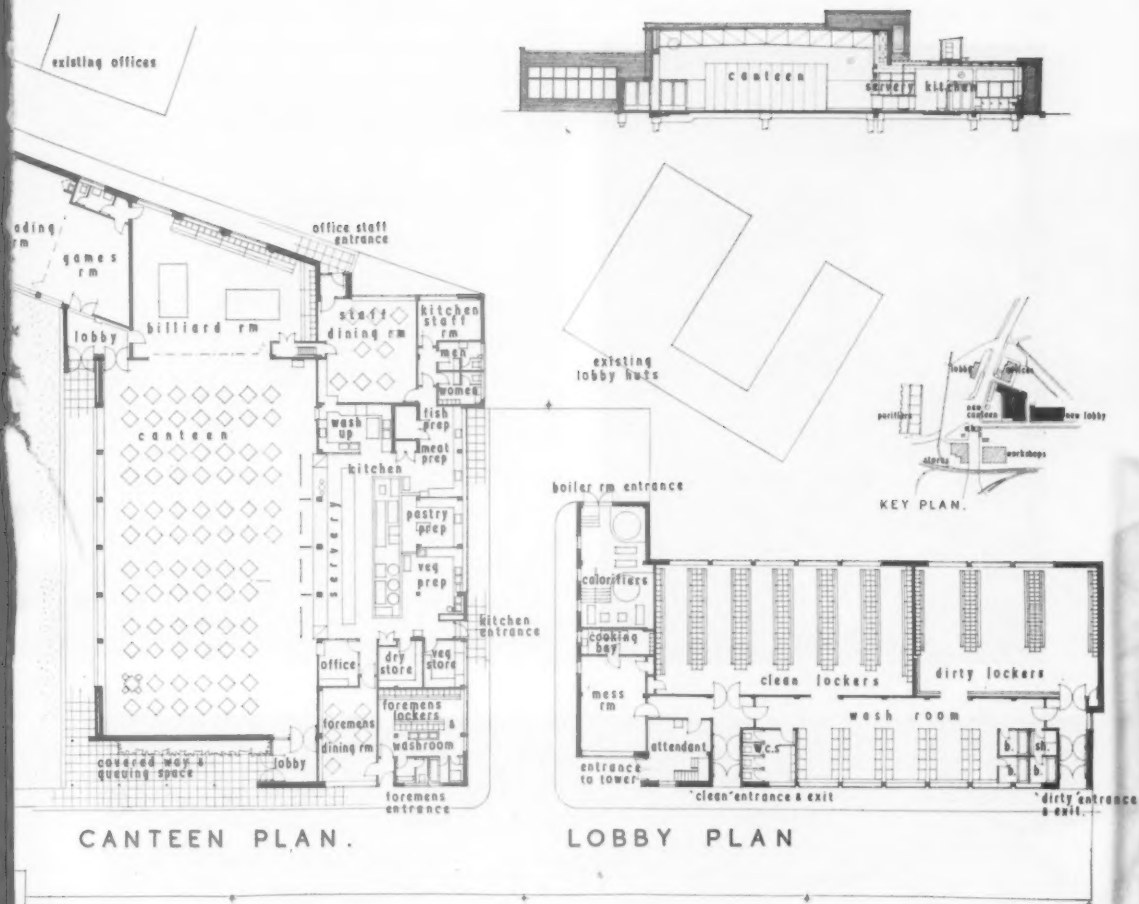
SERVICES

Heating and hot water is supplied by low pressure steam from hot water storage cylinders brought into the calorifier chamber from the Gas Works.

"Clean" and "Dirty" Lockers are warmed and ventilated by the plenum system. Cooking is by gas and steam appliances.

Ventilation—Mechanically circulated filtered warmed air is supplied to principal rooms, extracted by room fans except in the Kitchen where the air is returned through the extract system. To minimise all dirt-collecting surfaces in the Kitchen, hoods over cooking equipment have been omitted, the mechanical ventilation being designed and located to be equally effective. (31 complete air changes per hour.) The air extracted from the Kitchen is drawn





from the Canteen, thus preventing any smells of cooking entering the dining areas.

The main branch ducts in each building are concealed within panel walls at high level with a connecting underground crawlway between buildings.

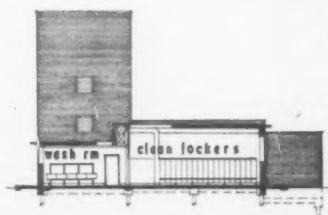
Pipe runs, where convenient have been concealed in floor or overhead ducts and over lay lights in the Servery.

The Kitchen lay-out was designed in collaboration with the North Thames Gas Board, Catering Section.

The structural frame and foundations, heating, hot water and mechanical ventilation, and electrical installation were designed by the Chief Engineer's Department of the North Thames Gas Board in collaboration with the Architect.

architect :

ELIE MAYORCAS



GENERAL CONTRACTORS: THOMAS & EDGE, LTD.

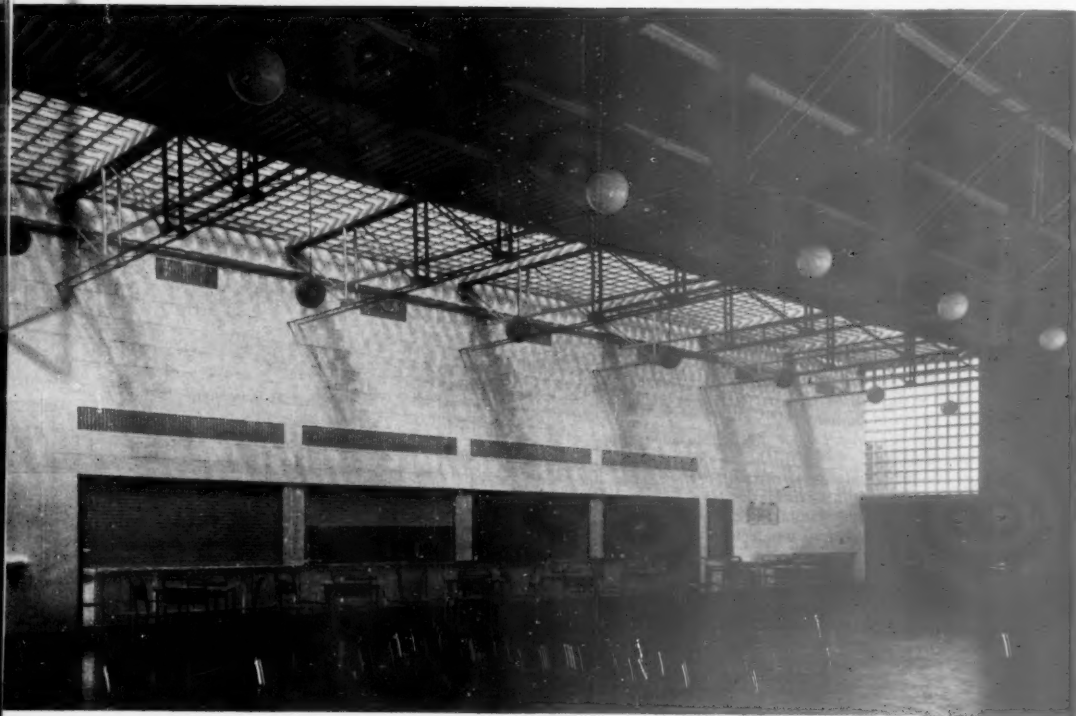
SUBCONTRACTORS AND SUPPLIERS

Acoustic tiling: Horace W. Cullum & Co., Ltd. Cement glaze: Robb's Cement Enamel Finishes, Ltd. Canteen and clubroom furniture: Dare-Inglis Products, Ltd. Cold storage: Brett Daniels, Ltd. Drainage and plumbing work: Building Installations, Ltd. Doors: Esavian, Ltd.—Sliding; Saro Laminated Wood Products, Ltd.—Flush. Door furniture: Renniss, Ltd. Electric wiring and light fittings: Troughton & Young, Ltd. Flooring—jointless: Talbex, Ltd. Handrails—metal: Fredk. Braby & Co., Ltd. Heating, hot water and mechanical ventilation: J. Jeffreys & Co., Ltd. Lay lights—metal: John Williams & Sons (Cardiff), Ltd. Light steelwork: Bracketting, Centering & Lathing, Ltd. Lockers: Speedwell Gear Case Co. Partitions—Terrazzo: Art Pavements & Decorations, Ltd. Reinforced concrete frame floors and roof: The Trussed Concrete Steel Co., Ltd. Roof lights: Haywards, Ltd. Roofing—bituminous: Wm. Briggs & Co., Ltd. Sanitary fittings: Stitsons Sanitary Fittings, Ltd. Servery counter: Gardiner & Gulland, Ltd. Shutters—sliding metal: G. Brady & Co., Ltd. Sports equipment: Players Sports, Ltd. Tanks—cold water storage: Braithwaite & Co. (Engineers), Ltd. Tiling: Trussed Concrete Steel Co., Ltd.; Jaconello Ltd.—Floor Tiling; Parkinson's Wall Tiling Co., Ltd.—Wall Tiling. Windows—metal: R. E. Pearse & Co., Ltd.



Left: Interior of Canteen, looking towards exit doors. Note change of floor covering from wood block to stone paving alongside windows to accommodate floor heating.

Below: Canteen interior, looking towards main entrance. Servery wall is covered in acoustic tiles above dado to deaden "clatter." Queueing rails at service counter are demountable to give clear floor when required.



NEW BUILDINGS
BROMLEY-BY-BOW GAS WORKS

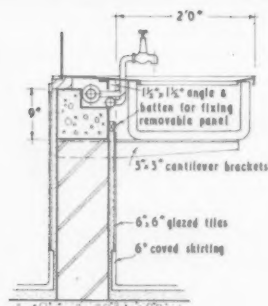


Above : " Clean " locker room. The single tier standard lockers have adjustable legs to take up differences in floor made to fall for cleaning purposes. Roof has double glazing to offset heat loss. Right : " Dirty " locker room. Two tier standard metal lockers as supplied to miners' welfare pithead baths.

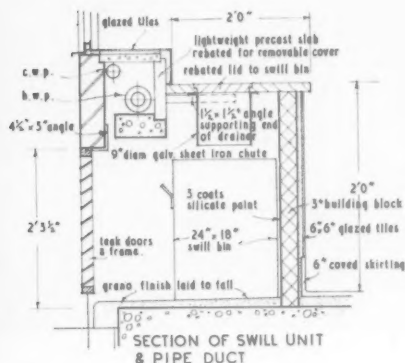


Below : Wash room looking towards " Clean " Entrance and Exit.





SINK & PIPE DUCT
IN WASHUP

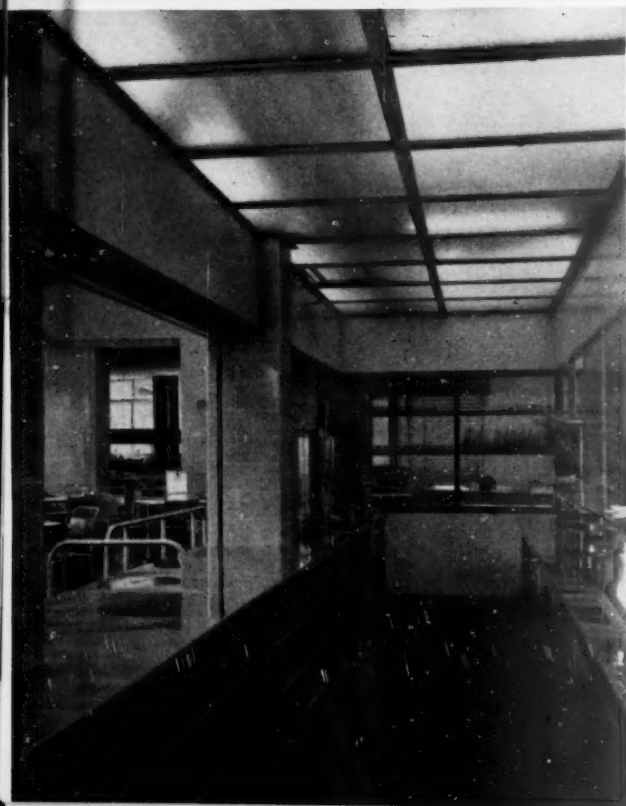


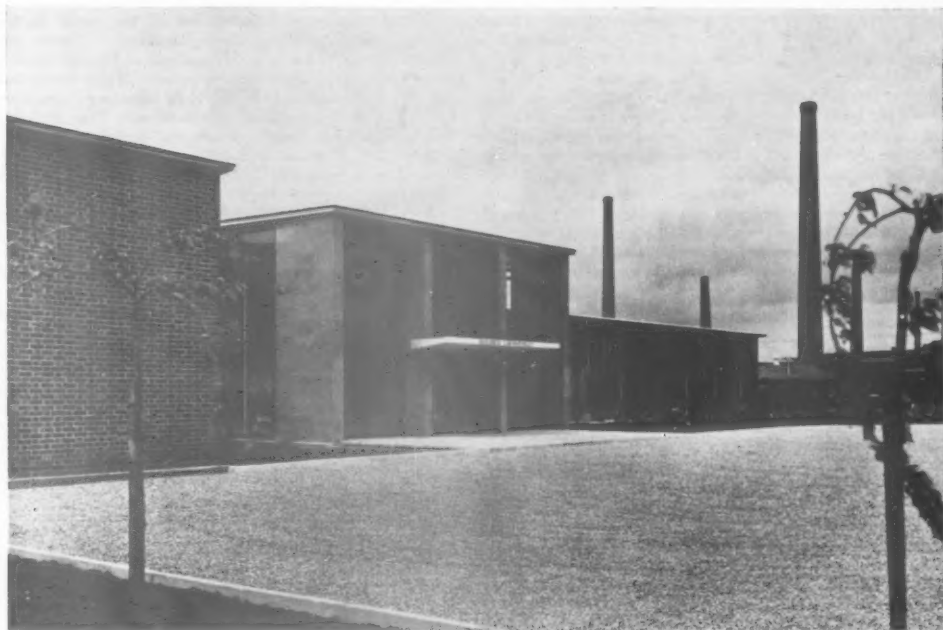
SECTION OF SWILL UNIT
& PIPE DUCT

Servery, looking towards Wash-Up and the Kitchen showing Meat and Pastry Preparation Bays. Note window clear of structural columns, enabling service pipes to have a straight uninterrupted run. These are housed in a duct immediately below internal window sill. Swill units are arranged with the refuse bins accessible from outside the building only.

NEW BUILDINGS

Bromley-by-Bow Gas Works





NEW RESEARCH LABORATORIES STEWARTBY for the London Brick Co.

architect: CECIL C. HANDISYDE, A.R.I.B.A.

REQUIREMENTS were for four laboratory sections, a small office section and a group of more general accommodation consisting of a large entrance and display hall, conference room, library and directors' dining room. It was decided that this latter group should be self-contained and planned so that if necessary it could be added at a later date although in fact it was built at the same time as the laboratories.

The laboratory accommodation required a number of moderate sized rooms and some quite small laboratories and offices.

THE SITE

A site of ample size was available conveniently near to existing buildings. The general ground level of the site was low in relation to surrounding ground and consisted of very poorly drained clay. Part of this low area had been filled with broken brick to a depth of about three feet.

Loads from the building are small and it was decided that as brick fill from the factory was readily available the whole area of the building should be raised by about two feet and a reinforced concrete raft foundation formed on this fill. The filling was carried out in 12in layers and compacted by a 10 ton roller with the moisture content of the fill adjusted to give good compaction. The area of previous fill was spread so that compaction here would also be in thin layers.

The raft is eight inches thick except under the Semi

Scale Plant room where it was increased to 12in because of heavier loads from machines.

CONSTRUCTION

The general construction had to be in brick. Two standard bay dimensions are used with hollow tile roofs spanning parallel to the external walls. The roofs are carried on permanent brick partitions or upon reinforced concrete beams.

The large span ceiling to the Entrance Hall is of solid reinforced concrete, cross reinforced and domed about 1½in on the soffit to discount any appearance of sag.

FINISHES

External walls are in Rustic Flettons made at the adjoining works. The piers to the main entrance are covered with sawn finish Westmorland green slate. Windows to the front block are in Iroko, and elsewhere in painted softwood. The roof is finished in three layer felt with a white spar topping.

Internally the entrance hall floor is in buff quarry tiles. The directors' dining room is carpeted. Corridors and laboratories have teak block flooring. Walls generally are finished with plastic and flat oil paint. Laboratory furniture is in oak with teak bench tops.

SERVICES

A normal coke fired boiler installation has been provided. Heat distribution is by embedded ceiling panels. This method was decided upon because of the difficulty

of finding space for radiators, or a sufficient unobstructed area for under floor panel heating. The roof is insulated by 1 in cork plus lightweight concrete screeding.

Other services required were cold water, light and power, vacuum and compressed air, gas. Hot water is provided by local electric heaters. There is no local supply of Company gas and a Calor gas system has been installed. Storage cylinders are located in an isolated room at the end of the building.

After careful consideration of various methods of conveying the services in ducts it was decided to expose all services and to treat them as a feature by painting in the normal British Standard colours. The B.S. colour for vacuum and compressed air is the same and one of these therefore was not painted to standard.

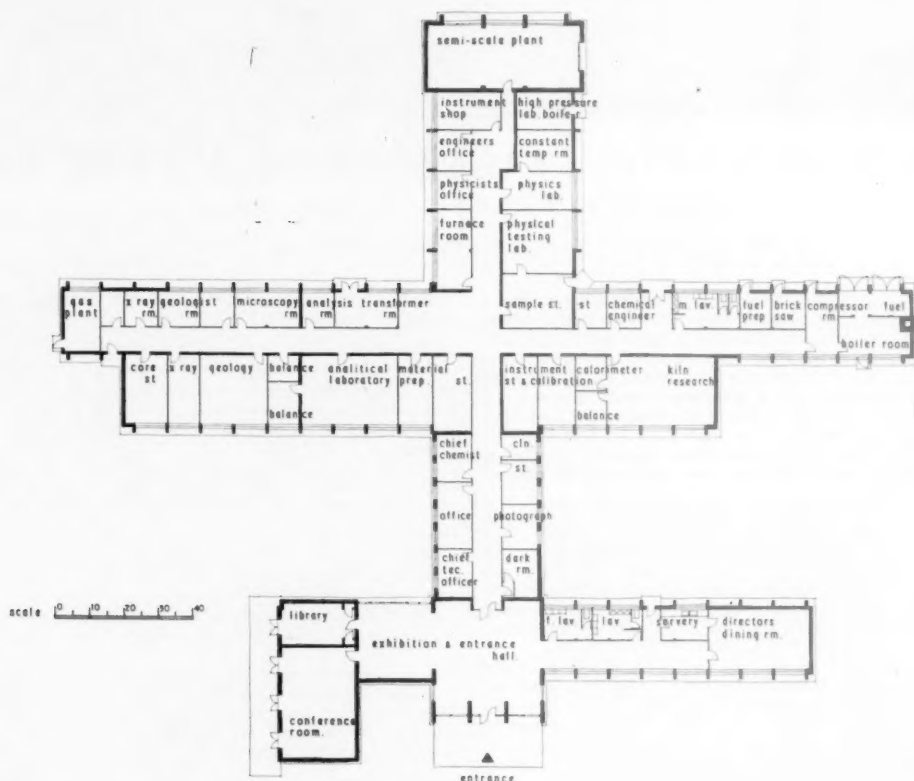
Main service runs are on the back wall of the large laboratories between door level and clerestory window. Special pipe fixings were designed together with closure panels where piping goes through partition walls.

Lighting is by tungsten lamps in the front building and in corridors but hot cathode fluorescent tubes are used in all laboratories and offices. Special fittings were designed for the fluorescent lighting.

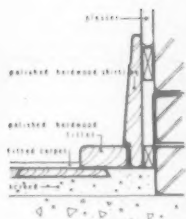
The plastering and decoration of the panel heated ceilings raised problems during building. Plaster was specified in accordance with the Code of Practice recommendations for work on heating panels. It was found that the plasterers had some difficulty in adjusting themselves to this rather unfamiliar specification. The Building Research Station visited the job and explained the technique; after which no difficulties occurred. Heating was turned on very slowly and allowed to build up to full temperature over a period of three weeks.

It was difficult to decide whether to decorate the ceilings before heating was on, in which case there was a risk of decorating over a damp surface or, alternatively, of waiting until afterwards in which case nobody seemed quite sure whether the heat would affect the paint.

Some painting was done before the heat was on and it is interesting to note that this proved satisfactory in laboratories where ventilation was good but gave some trouble in a corridor where there was less ventilation. It appears that in this case the margin between conditions for success and failure was a very narrow one. Painting of other ceilings was done after heating was on and no trouble ensued.



NEW RESEARCH LABORATORIES STEWARTBY



Directors' Dining Room. The wallpaper, left, is a yellow patterned flock on white ground. The skirting detail illustrated is designed to prevent chairs being pushed back against the flock paper. Furniture in the Dining Room is by Storeys.

Conference Room. The end wall with black board and screen is acoustic tiled. The cornice light, left, balances daylight from clerestory.



GENERAL CONTRACTORS: ROBERT MARRIOTT, LTD.

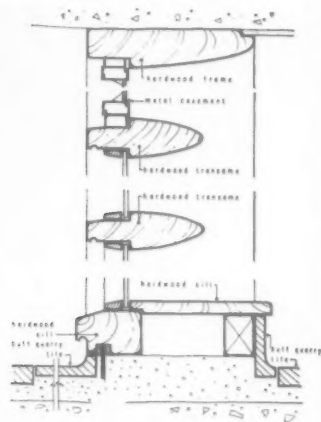
Subcontractors and Suppliers

Blinds: Accordo Blinds, Ltd. *Bricks:* The London Brick Co., Ltd. *Dome lights:* Pilchers, Ltd. *Door furniture:* Renniss, Ltd. *Door mats:* National Institute for the Blind. *Electrical installation:* The London Brick Co., Ltd. *Electric clocks:* Richard & Tucker Nunn, Ltd. *Flooring—Teak Wood Block:* Stevens & Adams, Ltd. *Furnishings to dining room:* Storey & Co., Ltd. *Heating:* The Norris Warming Co., Ltd. *Laboratory furniture:*

The North of England School Furnishing Co., Ltd. *Lettering—Plastic:* The Lettering Centre. *Light fittings:* Savage & Parsons, Ltd.; Troughton & Young, Ltd. *Mobile crane:* Herbert Morris, Ltd. *Roofing:* D. Anderson & Son, Ltd.—Triplex Bituminous; Flooring Contracts (London), Ltd.—Hollow Tile. *Sanitary goods:* Dent & Hellyer, Ltd. *Slate facing slabs:* The Broughton Moor Green Slate Quarries, Ltd. *Teak:* James Latham, Ltd. *Tiles—Buff Quarry:* J. C. Edwards (Ruabon), Ltd. *Wall paper:* John Line & Sons, Ltd. *Windows—Bronze Casement:* Williams & Williams, Ltd. *Window furniture:* Yarnedis & Co., Ltd.

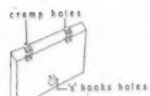


Large teak-framed window in Entrance Hall showing a view of part of the main laboratory block. The cornice has been designed to take floodlights at a future date. Below is the main entrance front. Piers are faced with lin slabs of green Westmorland slate.

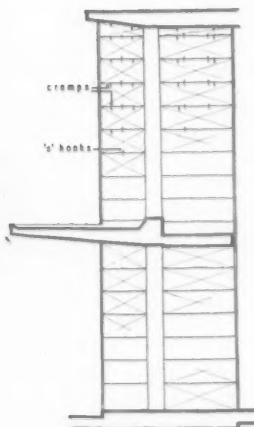


Main Windows, Entrance Hall.

Scale: $\frac{1}{4}$ th F.S.



Isometric sketch of slab showing fixing



Detail of slate slab fixing.

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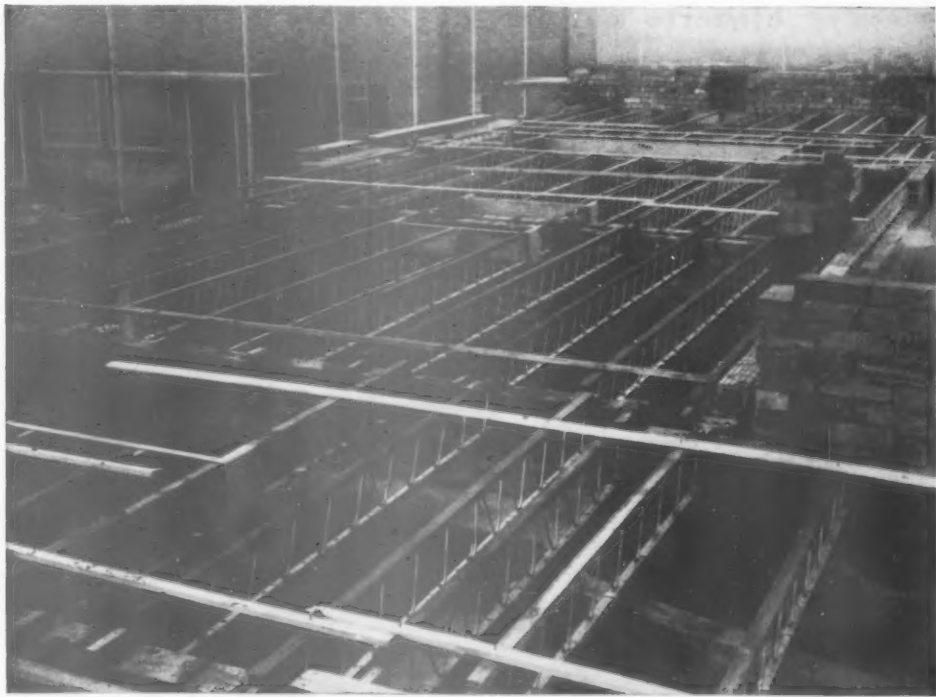
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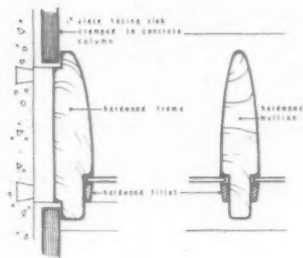
The change has been made to allow the specialised floor and decking service which Semtex Ltd. has built up throughout the country to be made available for Dunlop rubber floor installations in addition to those for which it is now so well known—Semastic Decorative Tiles, fleximers, high grade linoleum, terrazzo and cork tiles, etc.

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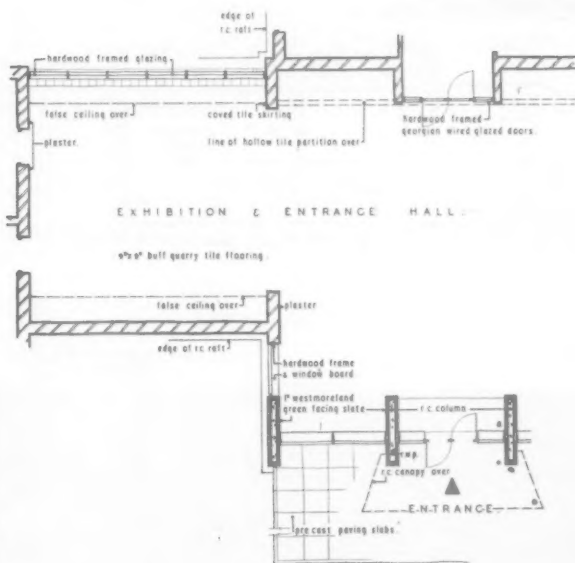
ABERDEEN, BELFAST, BIRMINGHAM, BRIGHTON, BRISTOL, CARDIFF, COLCHESTER, DUNDEE, EDINBURGH, GLASGOW, HULL, LEEDS, LEICESTER, LIVERPOOL, LONDON (SALES OFFICE), MANCHESTER, MIDDLESBROUGH, NEWCASTLE, PLYMOUTH, SHEFFIELD, SOUTHAMPTON.



Main Windows,
Entrance Hall
Scale: $\frac{1}{8}$ th F.S.



The Entrance Hall which is designed to take a permanent exhibition of brick products.

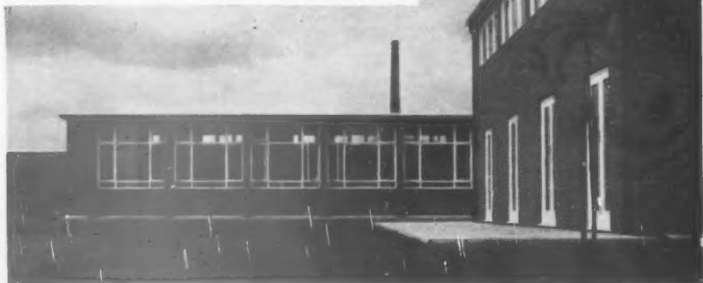


PLAN

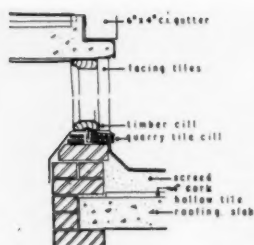
Scale: $\frac{1}{16}$ " = 1 FT.

NEW RESEARCH LABORATORIES. STEWARTBY

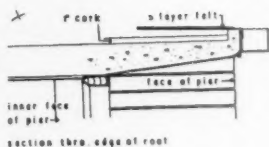
Conference Room and Library on the right. Main laboratories beyond.



Architect:
CECIL C. HANDSYDE
A.R.I.B.A.



section thro. roofs at junction of 12'6" & 10'6" high laboratories



section thro. edge of roof

NEW RESEARCH LABORATORIES.

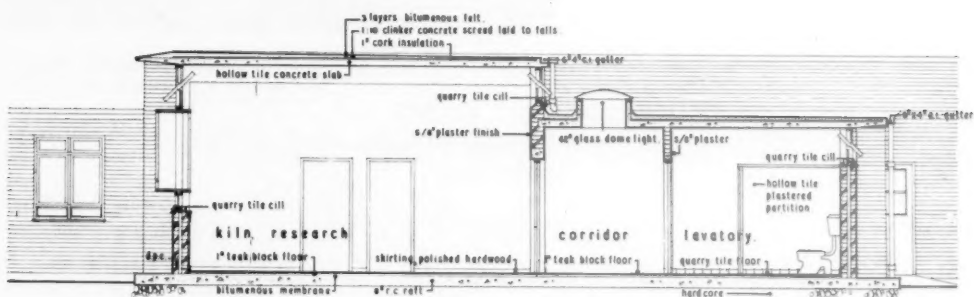
STEWARTBY

architect:

CECIL C. HANDISYDE,

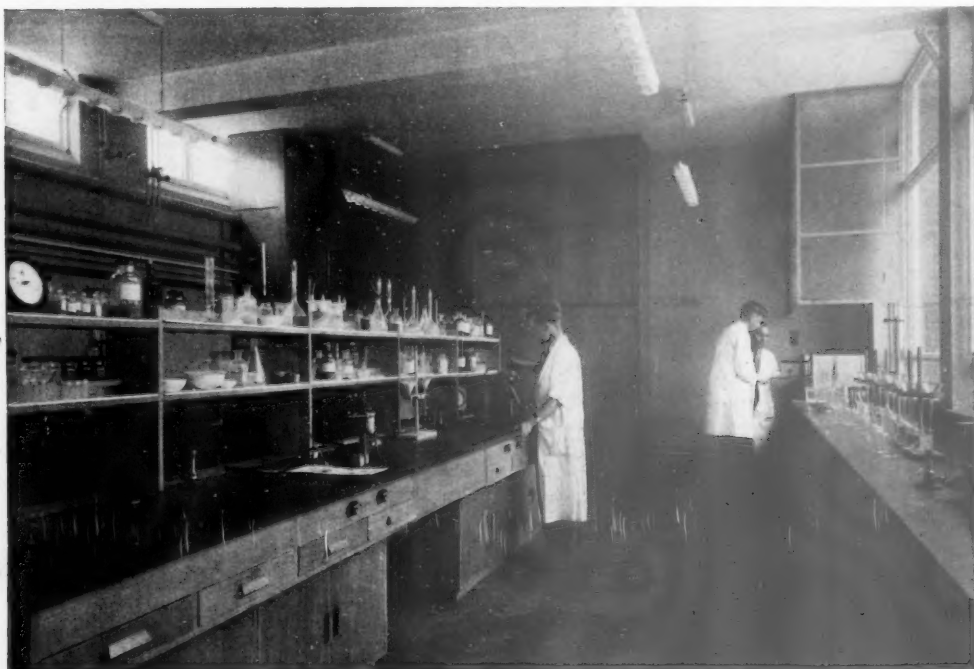
A.R.I.B.A.

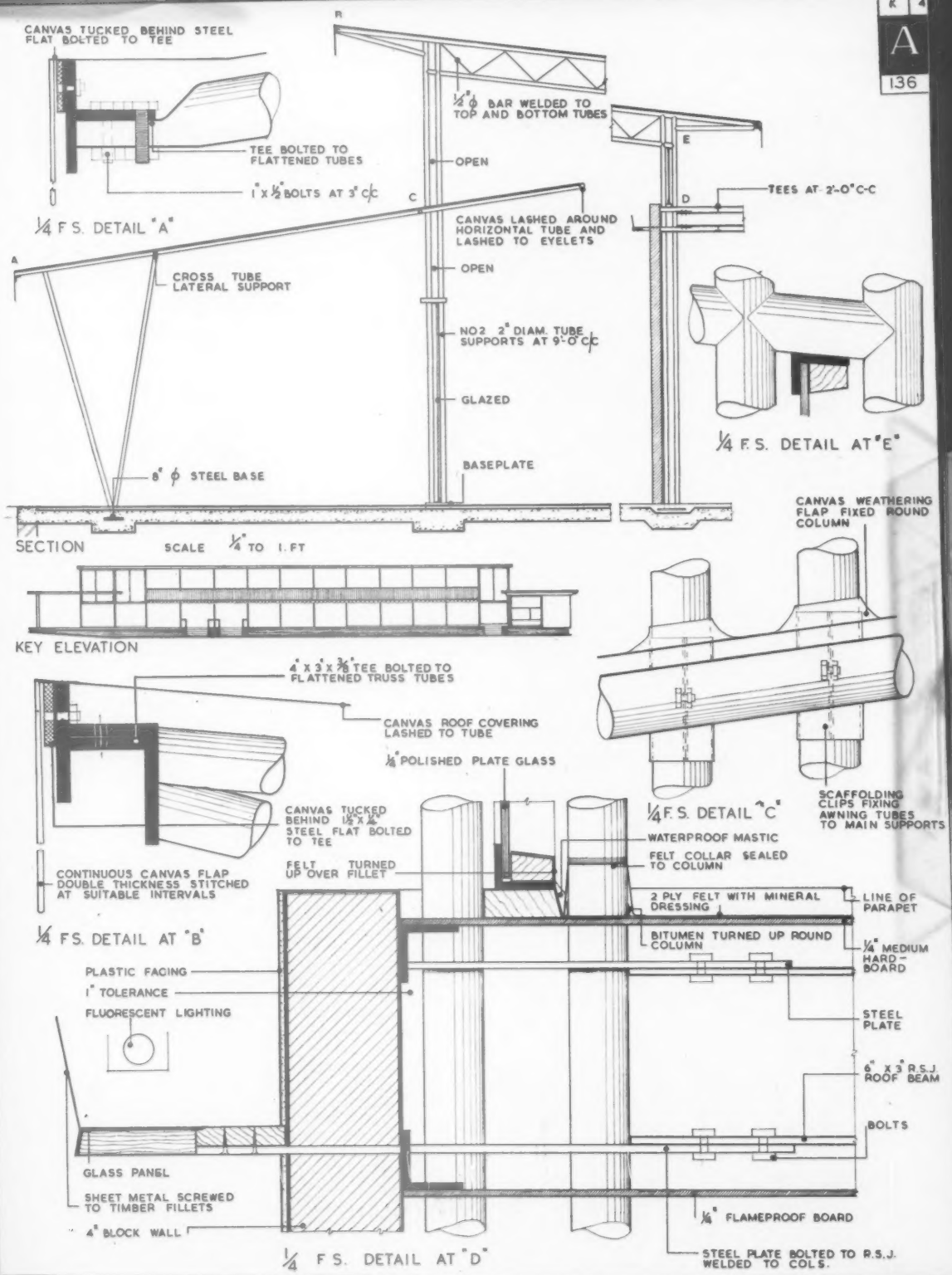
Roof details. scale: $\frac{1}{4}$ " = 1ft.

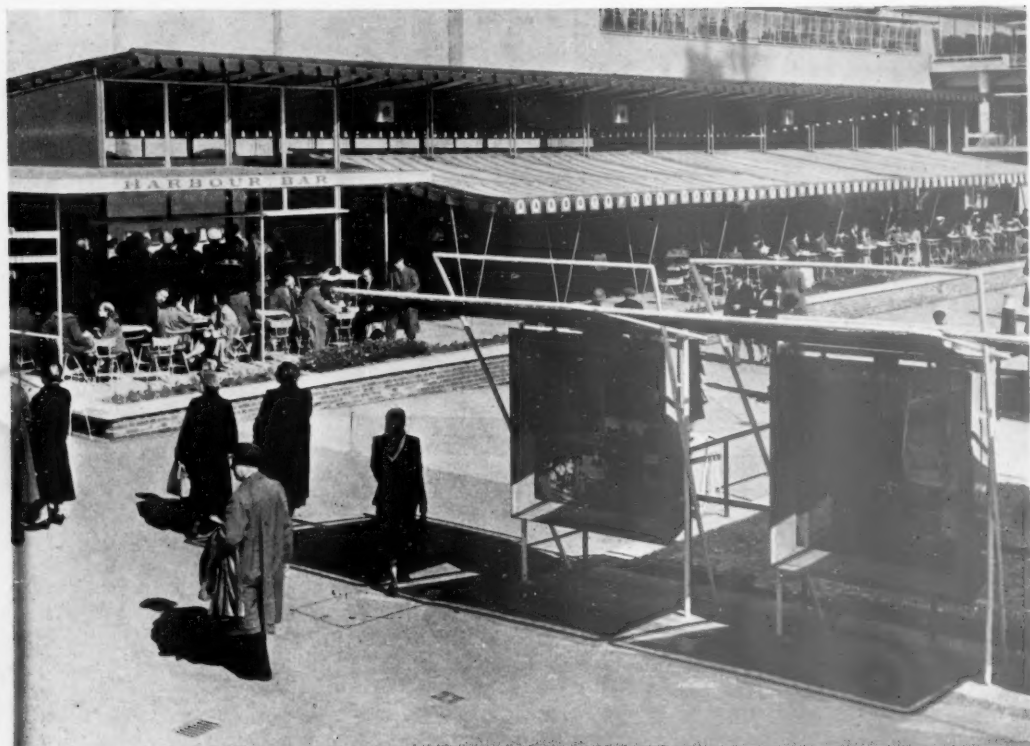


scale 0 1 2 3 4 5 6 7 8 9 10

Kiln research laboratory







HARBOUR BAR, SOUTH BANK EXHIBITION
ARCHITECTS: MAXWELL FRY & JANE DREW



Architects: Easton & Robertson. Contractors: Gilbert Ash Ltd.

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Technical College is
insulated with
'Fibreglass' quilt**



Photograph illustrates the application of 'Fibreglass' quilt under the concrete roof slabs.

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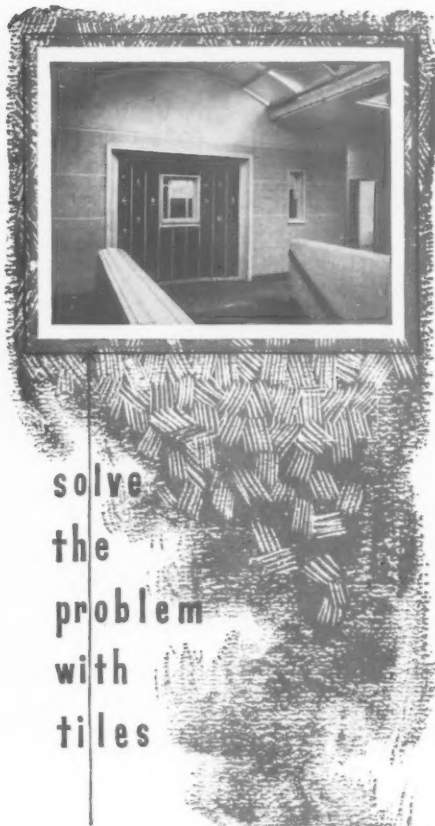
V.D.K. SOLIGNUM WOOD PRESERVATIVE—the grade that can be painted over; and which should be used on seed boxes, garden frames and the inside woodwork of greenhouses.

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GOOD, BAD OR INDIFFERENT?

No. 42.—By A. FOREMAN

Housewives' Choice

I APOLOGIZE to the B.B.C. for my title, but I was recently involved in a discussion with a group of housewives concerning house design, construction and finishings. During the course of the next few weeks I propose to use these notes to refer to a number of the points raised; the points are very interesting and range over a wide field. The discussions mostly took place in a series of houses built some ten years before the war and it was therefore possible to show me examples of some of the points mentioned.

The first point raised was a great objection to woodwork in living rooms and bedrooms being finished in a dark-brown stain. It was said that such a finish limits, very badly, the decoration of rooms; the colour is dreary and cannot be changed easily, as can be painted finishes; it is dirty, even if the dirt does not show, and it is not so easy to clean as is good paint. In some houses an attempt had been made to apply paint to the stained surfaces and the result had been rather disastrous through lack of knowledge. Furthermore, where the stain had been worn, as round the door handles, it had been found very difficult to touch it up evenly and patches of variable colour resulted. Personally, I support these views, even if the first cost of painting is higher, as I feel there is so much to be said in favour of house-holders being able to have whatever colour they wish and to be able to change it easily.

The next point raised was that picture rails, skirtings, and architraves are frequently not fixed tightly to the walls and result in undesirable dirt-collecting cracks between the wood and the plaster of the wall. On examination of some of the rooms in the house under discussion it seemed that the plaster surfaces were not even reasonably true, which prevented a close fit to the woodwork; also the woodwork was plugged to the plastered walls with fixings placed much too far apart; in all probability, also, the fixing had been done without using grounds. If proper fixing grounds had been used it is likely that the plaster surfaces would have been more even as they provide a finishing level for the plasterer and the fixings would have been placed closer together as less trouble is involved, so that the wood finishings would have been better fixed.

There was a general complaint of the failure of paint on metal windows, and certainly those on view showed very serious indications of rust. I was told that they had been repainted repeatedly but had quickly shown further failure due to the rust lifting off, or showing through, the paint even when well scraped before repainting. I pointed out that for the windows to be satisfactory they should have been hot-galvanized or protected in some similar manner against the rust prior to painting, however good the paint might be; the additional first cost of such anti-rust treatments would have been small and would undoubtedly have en-

sured that the paint on the windows lasted at least as long as on the other materials.

There was a general objection to the use of leaded lights and small panes of glass in windows, although the former appeared to have helped to sell the houses in the first instance. Some of those present had lived in houses with undivided sashes and said that the saving in effort when cleaning the windows was enormous; they also doubted very much that either leaded lights or small sashes contributed so much to the aesthetic appearance of the house and any contribution was quickly offset by the nuisance value when they had to be cleaned. I questioned whether there were advantages in using small panes because of breakages, but all said they had only had breakage when the sashes failed to keep their shape, so they thought this aspect was of small importance. One of the housewives raised a point regarding the use of windows with sub-lights; she had these in her house and found that they were very desirable as they permitted the use of window sills without the wind sweeping articles placed on them on to the floor. There was also a com-

plaint that wide fixed lights in the windows, as seemed to be becoming even more popular since the war, were undesirable as, when more than about 2ft 6in wide, they were almost impossible to clean from inside.

There were a number of comments concerning the poor quality of casement stays on wood windows, at which I was not surprised; many casement stays certainly have been of too poor a quality to be satisfactory. It was mentioned that some occupiers had suffered from failures of wood sashes which necessitated the fixing of angle plates; it seemed that this was due to the mortice and tenon joints failing and even rotting, which I hope will, in the future, be overcome by the use of the more modern comb joints made with synthetic resin adhesives.

There were also some complaints about metal windows, the chief of which was that they were draughty as they did not fit properly. I was shown some windows which fitted badly as they had undoubtedly been damaged prior to or during fixing, and others had been very badly built-in so that they had to be forced to close them.

LEGAL NOTES—2

This column is designed to assist readers in understanding legal problems and in simplifying legal language. Readers with legal questions are invited to submit them for the attention of our correspondent. Questions and answers of general interest will be published but the Editor does not hold himself responsible for the views expressed.

The excavation of land was dealt with by the Court of Appeal in the recent case of *National Coal Board v. J. E. Evans (Cardiff)*, Ltd., and others. The question was whether a person who carries out legitimate work on someone else's land with his consent is liable for an injury which he does to something in the land belonging to a third person, the circumstances being such that he was unaware of the existence of that something and had no reasonable grounds for believing that it did exist.

In this case the National Coal Board were the owners of a high-tension electric cable carrying electricity at a pressure of 33,000 volts. The cable had been installed by their predecessors in title at a depth of about 3 feet under ground through certain land at Treforest, Glamorganshire, belonging to the Glamorgan County Council. In the autumn of 1948 the latter employed the first defendants to carry out excavations on the land and the first defendants contracted with the second defendants that they should do the work as sub-contractors. In the course of the work a mechanic excavator, used by the second defendants, broke a concrete slab covering the cable and damaged the cable itself. The damage was not, however, reported by the man supervising the work on behalf of the county council, because he

thought it was trivial. In consequence moisture percolated to the cable causing a short circuit, the electricity supply to certain collieries then being cut off. The plan of the land which the county council had issued to the contractors for the purposes of the work did not show the cable running through it. For although they owned the land they were not aware of the cable's existence. Accordingly, both the first and the second defendants were also unaware of its existence. Mr. Justice Donovan nevertheless found that, though not guilty of negligence, both defendants were guilty of trespass and he gave judgment against them jointly and severally for £500.

They then appealed to the Court of Appeal and Lord Justice Cohen in the course of his judgment said that the predecessors in title of the National Coal Board had placed the cable in the county council's land without their knowledge or permission and he could not imagine a clearer instance of an accident which had occurred utterly without fault on the part of the defendants. The cable was not visible and there was nothing in the plan supplied by the county council to indicate its presence. In his view, therefore, the defendants were entitled to succeed and the appeal would be allowed. The Lord Justice went on to express his agreement with the established legal principle, namely, *a trespass is not actionable if it is neither intentional nor the result of negligence*. It follows therefore that as long as every ordinary precaution is taken by those engaged in the excavation of land not to interfere with the property of some third person which has been placed in the land they will not incur any liability.

News of the BUILDING INDUSTRY

THE FEDERATION OF MASTER BUILDERS is to sponsor a competition for indentured apprentices to the building industry and full- or part-time technical students working, studying or residing within the London Region of the Federation.

The competition will take the form of the making of a model of the Holy Trinity Congregational Church built on the Lansbury Site at Poplar which now forms part of the Festival of Britain Live Architecture Exhibition (Architects: Cecil C. Handyside and D. Rogers Stark, A.A.R.I.B.A., A.A. Dip.).

The winning models will be exhibited on the Federation of Master Builders' stand (No. 436) at the Building Exhibition at Olympia from November 14 to November 28. The model may be in any material or combination of materials. Entrants are recommended to inspect the Church itself. The models may be of any size, but the base should not exceed two feet by two feet. Teams of not more than three may enter joint efforts.

The first prize is 50 guineas; second prize, 30 guineas; and third prize, 20 guineas. All these prizes have been given by the Directors of Messrs. Tersons, Ltd., the builders of the Church. A special prize of 25 guineas will be awarded for the best model submitted by senior full-time students of interior decoration, should sufficient entries from this category be received. This special prize will be donated by Sir Harry Selley, J.P., President of the Federation of Master Builders.

Mr. Cecil C. Handyside, A.R.I.B.A., A.A. Dip. (the architect who designed the Church); Mr. T. E. Scott, C.B.E., F.R.I.B.A., of the Department of Architecture of the Northern Polytechnic School; Mr. R. G. Chick, F.R.S.A., A.T.S., N.R.D., of the Brixton School of Building; Sir Harry Selley, J.P., President of the Federation of Master Builders; and Mr. F. N. Carmody, L.I.O.B., of Messrs. Tersons, Ltd., will be the assessors of the competition.

The final date for receiving models is November 3. Entry forms, obtainable from the Secretary at 26, Great Ormond Street, London, W.C.1, should be sent in by July 31.

THE LONDON MASTER BUILDERS' ASSOCIATION, with the Organizing Committee of the Building Research Congress which is being held in London in September, is giving a Cocktail Party to the overseas delegates to the Congress in the Savoy Hotel on Wednesday, September 12. Mr. Dudley F. Cox, President of the L.M.B.A., will preside, and it is hoped that Lord Samuel, President of the Congress, will attend.

THE BRITISH WELDING RESEARCH ASSOCIATION announce the following staff changes:—

Nicol Gross, Ph.D. (Cantab), A.M.I.Mech.E., Mem.A.S.M.E., has been appointed Assistant Director of Research. Dr. Gross will continue his responsibility for the Association's engineering researches and will remain in charge of the Research Station at Abington.

K. Winterton, Ph.D., B.Sc., and H. E. Dixon, M.Sc., A.I.M., have been appointed Chief Metallurgists, the former for ferrous metals and the latter for non-ferrous metals.

C. L. M. Cottrell, M.Sc., and P. T. Houldcroft, B.Sc., have been appointed Assistant Chief Metallurgists for ferrous and non-ferrous metals respectively.

THE COAL UTILIZATION JOINT COUNCIL offices are now at 3, Upper Belgrave Street, London, S.W.1. Telephone number: Sloane 9116.

OPEN GENERAL EXPORT LICENCES under which certain goods could previously be sent to China and Hong Kong without individual licence have been revoked. New open general licences similar to the old are now available, except that exports to China and Hong Kong are excluded from their scope.

Goods affected include machine tools, copper goods of certain value, some aluminium goods and iron and steel goods.

Enquiries from exporters who may be affected should be made to the Export Licensing Branch of the Board of Trade, Regis House, 43-46, King William Street, E.C.4.

IMPORTATION OF ENGLISH BRICKS to Scotland to meet the shortage has been mooted in Edinburgh. This move results from complaints in the Edinburgh Trades Council that distribution is unsatisfactory. The Union of Building Trade Workers suggests that the Treasury should stand the cost of transport of English bricks at, say, £100 to £150 per house.

CHANGES IN THE CONTROL OF TIMBER which came into force on July 2 under the new Timber (Control) Order, 1951, will not appreciably affect the architect and builder. Certain timbers of use to the builder are freed from licensing, but in some cases stocks are held by Timber Control and are not released.

Ladder and scaffold poles may now be obtained and used without reference to the Timber Control, both acquisition and consumption licences being removed. The trade will be concerned only with the removal of the consumption licensing system, and larger building firms may find the latter relaxation of some value. So far as scaffold poles are concerned, this relaxation has been made primarily because the demand for such poles has decreased greatly compared with pre-war days, as steel scaffolding is now in general use. This trend has been encouraged by the Ministry of Works in recent years because of the greater availability of steel and the shortage of timber. Now the position is reversed.

No longer will Timber Control look upon shingles as timber, according to the new order. But there has been freedom for the timber trade to import shingles for some months. Supplies are more than adequate to meet present demands from the building trade, and there is likely to be a strong campaign by the importers to encourage builders to turn more readily to cedar shingles in roofing.

Freedom from control of American ash, balsa, basswood and American poplar would be of great value to the builder and architect if the freedom had more than paper meaning. The uses to which an architect could profitably put basswood for panelling and interior joinery, to achieve a good finish without the high cost of superior hardwoods are many. At the moment, however, the freedom is

purely technical, for supplies of these timbers are scarce, being held almost exclusively in stocks controlled by the Timber Control, though now released. Builders who find stocks among their hardwood merchants may count themselves fortunate. Care should be taken with inspection to ensure that the material offered is in good condition, for it has not always been stored under perfect conditions. Additional supplies are likely to be some time reaching the country, for currency control will hinder imports.

A SIX PER CENT increase in the maximum Home Trade selling prices of sanitary earthenware has been authorized by the Minister of Works from July 2.

THE CHANCELLOR OF THE EXCHEQUER'S recent statement on defence shows that if further cuts in the building programme are to be avoided, output in the industry must be increased by 5 per cent. "The industry accepts that challenge," said Mr. Stephen Hudson, President of the National Federation of Building Trades Employers, at the Half-Yearly Meeting of the National Federation at Whitley Bay on July 4, and, provided the necessary materials are available, we can, I am sure, do the job."

Mr. Hudson said: "Many building contracts have been held up during the last six months because of the acute shortages of steel and plasterboard. We have made repeated representations to the Government and I must warn them again that there will be further serious hold-ups unless the new scheme for steel ensures that the building industry gets its fair share of that material, and unless the salvage campaign produces the quantities of waste paper required to enable the production of plasterboard to be substantially increased."

In view of the increase of 3d in wages which has taken place this year, and of the machinery for encouraging the spread of bonus which has recently been set up, the motion claiming a substantial increase in wages which was passed at the Annual Conference of the National Federation of British Trades Operatives at Cleethorpes last week is difficult to understand. Costs must be kept down and there could not be a worse time than the present for a further demand for an increase in wages which is not linked with output, or for the decision taken at the same Conference to press for longer holidays, which would have to be paid for entirely by the long-suffering Building Owner.

GENT & CO., LTD., of Leicester, have opened a branch office at Winchester House, Victoria Square, Birmingham. Telephone: Midland 6443. Mr. J. P. Derlin is in charge.

THE COUNCIL FOR CODES OF PRACTICE FOR BUILDINGS has now issued in final form Code 202, "Tile Flooring and Slab Flooring." The Code consists of a main part and three sub-codes. Those aspects of the work involved in the preparation for, and the laying of, the flooring which are common to all the types of tile and slab flooring covered by the Code are dealt with in the main part. Those which are applicable only to a particular type are dealt with in the appropriate sub-code. These sub-codes are:— 202.101, "Clay-Tile, Concrete-Tile and

THE SHOWROOM BEHIND THE DOOR

In the past, small-paned shop windows and doors, that were really adaptations of house doors, gave little indication of the spaciousness and comfort of the showrooms that lay behind them. They were barriers between the customers and shopkeeper. But now the interior and the scale and character of showrooms are visible from the street through plate glass windows, and doors of sparkling, transparent "ARMOURPLATE" glass swing back at a touch to admit customers.



A view of shops that flanked the entrance to the Albany in Piccadilly, London, in 1804.



South African Tourist Corporation, 70 Piccadilly, London, W.1. A wall of glass: Polished Plate Windows to floor level and a single "ARMOURPLATE" Glass Door. Architects: Messrs. James Cubitt & Partners, in association with S. Kadleigh, A.R.I.B.A., A.A. Dip. (Hons.)

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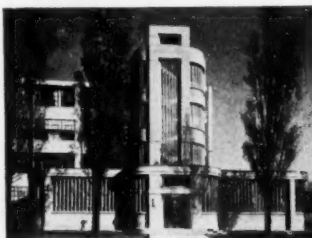
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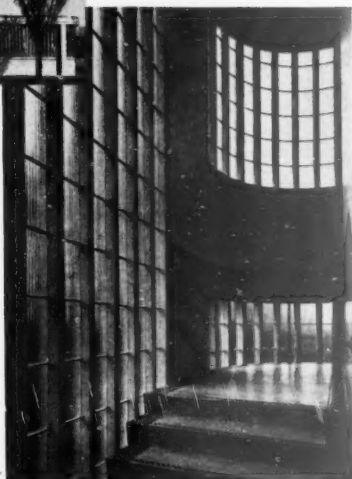


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Brick Flooring." 202,102, "Natural-Stone and Cast-Stone Flooring." 202,103, "Composition-Block Flooring."

In each case information is given on the properties and characteristics of the material and on the factors to be considered in selecting a flooring suitable to the conditions of use. Information is also given on materials for bedding and grouting, damp-proofing and any separating layer.

Recommendations are made for the preparation of the sub-floor and base, the laying of any separating layer and the flooring, jointing, maturing and surface finishing where necessary, protection after laying, inspection, testing and maintenance.

Mastic Asphalt in Building Construction

At the beginning of this year and for the first time in its long history, the Mastic Asphalt Industry has formed a unified National Federation so that it may speak with one voice and, through its Central Office and Secretariat, may represent the interests of the Asphalt Industry and supply helpful information and guidance to users and potential users of that important product.

The new Federation whose full title is "The National Employers Federation of the Mastic Asphalt Industry" has no concern whatsoever with price control but has, amongst its main objectives, the maintenance of high standards of workmanship and materials, technical advice on methods of construction and application, and the standardisation of Conditions of Tender and of Guarantee.

Mr. F. C. Wood, the full-time Secretary of the Federation, has himself been engaged on the practical side of the Asphalt Trade for thirty years, and is competent to answer all questions relating to technical and constructional matters, and it is earnestly hoped that users of Asphalt such as Architects, Surveyors and Contractors will take the fullest advantage of his knowledge and of the assistance which he will willingly give.

The Office of the Federation is at 21, John Adam Street, Adelphi, Charing Cross, phone Trafalgar 3927.

MINING SUBSIDENCE

A new Report (*Mining Subsidence. Effects on Small Houses*). National Building Studies Special Report No. 12. Published for the Ministry of Works by H.M. Stationery Office, price 1s 9d) now issued in the Ministry of Works series of National Building Studies, is the work of an Inter-departmental Committee convened by the Ministry to investigate method of preventing or minimizing damage caused by surface subsidence to houses in mining areas.

The Report considers subsidence in coal mining areas only and investigation was limited to the effects on small houses. A preliminary survey was made of 34 coal mining areas, and 10 of these were studied in detail. Advice on certain aspects was given by the National Coal Board.

Methods of working which give rise to mining subsidence are briefly described, as are the nature of various subsidences and surface movements.

Complete protection of houses against damage by all movements due to subsidence is generally impracticable and uneconomic, says the Report. Nevertheless, houses can be made more resistant to mining movements by making a number of simple changes in normal design—without incurring a large increase in cost.

The Report recommends precautions to be taken in the layout and construction of houses. For example, buildings should be sited so that the shorter axis coincides with the direction of anticipated maximum curvature of the ground. A structure of simple box form, designed to act as a unit, is best; the smaller the plan of the building the less likelihood there is of damage. Terraces, when desired, can be made by building in units with adequate gaps between them to permit movement. Semi-detached houses are preferable to terrace houses, detached are preferable to semi-detached. A bungalow is more likely to be damaged than a detached two-storey house with the same total floor area.

The provision of a reinforced concrete base slab, combined with the other recommendations made, will prevent any appreciable damage except where large differential vertical movements occur. The

weakest mortar, consistent with the normal load-carrying requirements, should be used to allow the walls to adjust themselves to moderate changes of curvature of the ground without serious cracking. The resistance of the walls to flexure may be increased by the introduction of steel reinforcement in the brickwork, but the cost is justifiable only in houses certain to be subjected to severe differential vertical movements, such as those near the boundaries of mine workings.

A typical pair of semi-detached houses of traditional construction are illustrated, comparative plans and elevation being given to show modifications to make the building more suitable for mining areas—narrower windows to provide greater surrounds of brick, windows altered in position or omitted, continuity broken between buildings, etc.

The principal alteration is the substitution of a reinforced concrete base slab for the normal strip footings. Three schemes are worked out to show the basis of design of the reinforcement. They can be simply adapted for other loads and other qualities of steel than those given. It was estimated at the time of the investigation that the extra cost per house for the reinforced base slab over that of the normal footings ranges from £13 to £20, with a further £5 for modifications to drainage and to the spine wall.

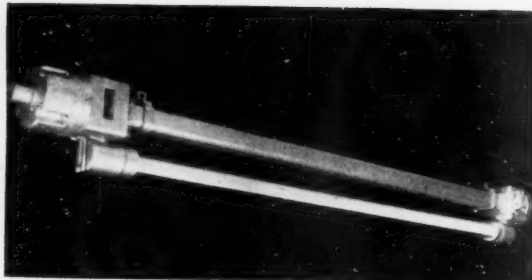
Some typical effects of subsidence on buildings, garden walls, kerbs and paving slabs are illustrated by photographs.

The Report discusses the difficulties of assessing the probable damage to projected buildings by future subsidence. It states that when subsidence is likely, it is necessary to estimate whether it will be so small that no precautions in building other than general good workmanship are necessary, whether it will be sufficient to merit special strengthening in the building, or whether it will be so great as to make the site unsuitable for building. The necessity of having full information is stressed.

Technical information, not readily accessible elsewhere, is contained in this Report which will thus be of interest to Local Authorities, architects, town planners and others in areas where subterranean excavation is causing settlement and surface disturbance.



£50,000 is to be spent on alterations at Lime Street Station, Liverpool, by the London Midland Region. The work which is to start as soon as possible includes the new concourse shown above. This has a glass-fronted booking office with walls faced in blue-grey tiles.

SERVICES,
LIGHTING

B1/16

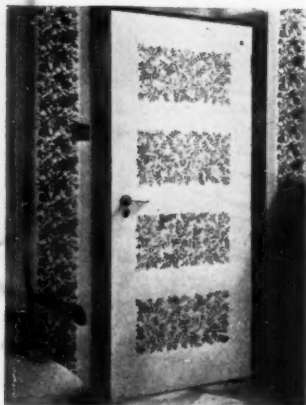
A new unit — fluorescent — for use in industrial buildings. The lamps may be had either bare or with reflectors. The end covers are designed to support the lamps with-out spring clips.

FITTINGS,
CLOAKROOM

C7/2

To prevent soap wastage in communal wash rooms, hotel cloakrooms, etc., this dispenser has been specially designed to contain, and release in measured quantities, a new washing cream, the consistency of which ensures that there is no waste from its running through the fingers.

The cream is delivered in the glass bottle shown. The bottle is locked into the dispenser which has convenient trigger action. The dispenser is of metal, stove enamelled white. The base plate is screwed to the wall and the main body slides and automatically locks itself into this base plate. The bottle also locks in position. A special key is provided for easy removal. The lift action trigger can be set to deliver a predetermined amount of cream. It is claimed that each jar of the washing cream contains enough for 2,000 washes. The dispenser was designed by Mr. Christian Barman.

FINISHES,
PLASTIC

D5/3

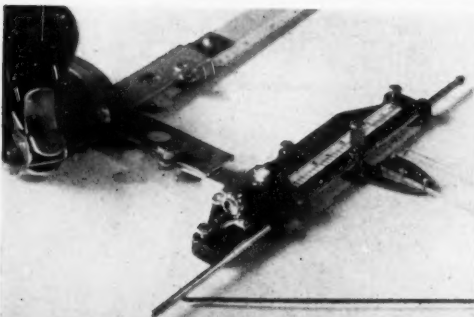
Laminated plastic sheet has been used extensively for numerous purposes at the Festival of Britain and is now an accepted high quality finish for walls, bar tops, furniture, etc.

One of the chief attractions of the material is that designs of all kinds can be incorporated in the sheets without risk of damage to the colour or texture.

The example shown here is from the Homes and Gardens Pavilion at the South Bank Exhibition. The printed floral patterns are interlaminated with grey and buff backgrounds.

Other patterns in this particular material include furniture doors for a nursery scheme with pale plastic carrying a design of gaily coloured "pin men."

Demonstrations of the adaptability and methods of cutting and fitting this material are given in the Power and Production Pavilion.

TOOLS,
OFFICE

E12/2

To draw accurately spaced parallel lines, for cross hatching, graphical work etc., the "auto-liner" shown in the right centre of the picture has just been produced. The liner comprises a body on which runs a bar carrying a "Perspex" ruler. The bar can be moved under accurate control to give line spacing from 0— $\frac{1}{2}$ in.

MOSAICS

The previous series of Mosaics resulted in a large number of enquiries from architects, surveyors manufacturers and other readers. The response to this pictorial information page has been sufficiently encouraging to increase the scope of the feature.

The feature below, under the title Catalogue Extracts is designed to provide information about numerous specification items which cannot be illustrated.

The names and addresses of manufacturers of any item illustrated in Mosaics and mentioned in Catalogue Extracts will be forwarded to readers on request. Further information will be sent when available. Letters should quote the serial number and be addressed to:

The Associate Editor,
The Architect and Building News,
Dorset House,
Stamford Street, S.E.1.

Please mark the envelope MOSAICS.

CATALOGUE
EXTRACTS

CE6. A dual capacity goos neck lift which can be adjusted—without the attendant leaving the car—for high speeds with light loads or low speeds for heavy loads is now available. Previously such adjustments involved a visit to the motor room.

The lift is designed to raise loads of 2 tons at 150 f.p.m. or 5 tons at 50 f.p.m. The counterweight is balanced for the maximum load. For normal working a weight of $1\frac{1}{2}$ tons is carried beneath the car in specially designed release mechanism. To carry the heavier load the attendant takes the lift to the bottom of the shaft and releases the weight by a lever contained in a floor trap. The weight cannot be released except at the pit bottom.

CE7. Three new tractors were added to the range of a well-known firm during June when the new models, and modifications of existing models, were shown for the first time at the Highland Show at Aberdeen.

The new productions include a Diesel Tractor at £490, an industrial tractor and an extra narrow tractor. The latter will be illustrated in a future issue of Mosaics.

CE8. A new rapid water heater of 3 k.w. is now on the market. The makers claim that it produces warm, hot or boiling water and consumes electricity only while the water is flowing.

CE9. For lifting sheet metal up to 75 lbs. in weight by hand there is now on the market a suction device weighing $1\frac{1}{2}$ lbs. The grip measures 14 in. long over the handle and is $4\frac{1}{2}$ in. wide. The price is £1 : 17 : 9.

CE10. A spiral ratchet screwdriver previously manufactured in U.S.A. but well known in this country has been difficult to obtain since the war as supplies depended on imports from America. This tool is now being made in this country.

CE11. A new process of working acrylic plastic sheets for use in decoration work such as coats-of-arms, inn signs, etc., has been developed in the last twelve months. The plastic is engraved and undercut with special tools. The engraved sheet is backed with a plain sheet and the two are bonded with a special compound thus sealing the coloured engraved sheet against atmospheric conditions. Edge lighting can be used. The makers and inventors of the process have supplied panels to the Festival of Britain. Enquiries are invited from students who might wish to specialize in this form of plastic "sculpture."

CE12. Existing clocks can be modified to incorporate in the face a system of lighting up the numerals. The idea is that where there is a clock people look at it. A clock face is therefore a good position for signals and for calling members of large staff. This new staff locating system was shown at the Business Efficiency Exhibition. Enquiries should quote "Man-Hunter."

Notes below give basic data of contracts open under locality and authority which are in bold type. References indicate: (a) type of work, (b) address for application. Where no town is stated in the

CONTRACT • NEWS •

OPEN

BUILDING

LEEDS CORPORATION. (a) Day Nursery, Quarry Hill Estate. (b) City Architect, Priestley House, Quarry Hill. (c) 2gns. (e) July 30.

BOOTLE B.C. (a) 24 dwellings, comprising 3 blocks of 2-storey flats. (b) Borough Surveyor, Town Hall. (c) 2gns. (e) July 23.

BRADFORD C.C. (a) 2 new wings and boiler house at the Technical College. (b) City Architect, Town Hall. (c) Aug. 4.

BRADFORD C.C. (a) Prefabricated classrooms at Daisy Hill Primary School, Tyersal Infants' School, and Haworth Road Infants' School. (b) City Architect, Town Hall. (c) Aug. 4.

BRIDGEND U.C. (a) (Contract No. 3) 35 houses, and (Contract No. 4) 45 houses. (b) Engineer and Surveyor, Council Offices, Glan-Ogwr. (c) 3gns. each contract. (e) July 23.

CARLISLE C.C. (a) Alterations to Fire Station, Warwick Street. (b) City Surveyor, 18, Fisher Street. (c) 2gns. (e) Aug. 13.

CROOK AND WILLINGTON U.C. (a) 6 shops and flats. (b) Council's Clerk, Council Offices, "Glenholme," Crook. (c) 2gns. (d) July 16.

DARTFORD B.C. (a) (Contract 4A) 22 houses and 18 houses, (Contract 4B) 12 houses and 28 flats, and (Contract 4C) 24 flats. (b) Town Clerk, High Street. (c) 2gns. (e) July 26.

DORKING U.C. (a) Mortuary in Pixham, Lane. (b) Council's Surveyor, Council Offices, Pippbrook. (c) 2gns. (d) July 14. (e) July 31.

DURHAM C.C. (a) Art room at Billingham South Modern School and improvements and alterations at Whinney Hill Boys' and Girls' Schools. (b) County Architect's Office, Court Lane. (c) July 30.

HAMBLEDON R.C. (a) 4 houses and 4 flats to Ridgley Road, Chiddingfold, and 2 houses and 2 bungalows at Glebe Road, Cranleigh. (b) Engineer and Surveyor, Council Offices, Bury Fields, Guildford. (c) 5gns. (e) July 24.

HAYES AND HARLINGTON U.C. (a) External repairs to 100 houses at Wood End Park. (b) Council's Engineer, Town Hall, Hayes, Middx. (d) July 21.

HOVE B.C. (a) (Group H.1A) 34 flats, (Group H.5) 10 flats, (Group H.6) 16 flats, and (Group H.7) 24 flats. (b) Borough Surveyor's Office, Town Hall. (c) 3gns each contract. (e) Aug. 7.

KING'S LYNN B.C. (a) Conversion of hutments at North Lynn Camp. (b) Borough Engineer, 27, Queen Street. (c) July 24.

address it is the same as the locality given in the heading, (c) deposit, (d) last date of application, (e) last date and time for submission of tenders. Full details of contracts marked ★ are given in the advertisement section.

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LEEK R.C. (a) 8 cottages at Longnor. (b) Council's Clerk, 6, Russell Street. (c) 1gn.

LIVERPOOL C.C. (a) 2 hostels for aged persons at Aighburth Vale and at Croxeth Estate. (b) City Architect, Blackburn Chambers, Dale Street, Kingsway. (c) 2gns each scheme. (c) July 20.

LONDON—EAST HAM B.C. (a) Block of 96 flats in 8 storeys. (b) Chief Housing Officer, Town Hall, E.6. (c) 5gns. (d) July 21.

LONDON—HENDON B.C. (a) Staff canteen at rear of Town Hall. (b) Borough Engineer, Town Hall, N.W.4. (c) 2gns. (c) July 23.

LONDON—HORNSEY B.C. (a) Housing Scheme No. 39. 16 aged persons' dwellings and 16 maisonettes. (b) Borough Engineer, Town Hall, N.8. (d) July 16. (e) Aug. 13.

LONDON—WANDSWORTH B.C. (a) 115 dwellings. (b) Town Clerk, Municipal Buildings, S.W.18. (d) July 18, with details of experience, plant and staff, etc., available, and names of two technical and two financial referees.

LONDON—WIMBLEDON B.C. (a) Two-storey block of 2 maisonettes at 154-158, Haydon Road. (b) Borough Engineer, Town Hall, S.W.19. (c) 2gns. (d) July 16.

LONGBENTON U.C. (a) 3 public conveniences with pedestrian shelters at Dudley, Burradon and West Allotment. (b) Engineer and Surveyor, Council Offices, Forest Hall, Newcastle-upon-Tyne. (c) 2gns. (e) July 16.

LUDLOW B.C. (a) 8 houses at Sandpits Road. (b) Messrs. S. N. Shrimpton and Son, 5, Castle Street. (c) 2gns. (e) July 24.

MANCHESTER REGIONAL HOSPITAL BOARD. (a) Erection and completion of new offices and records building at Ancoats Hospital. (b) Board's Architect, Thomas Duffy, 3rd Floor, Sunlight House, Quay Street. (c) 2gns. (d) July 19. (e) Aug. 9.

MARGATE B.C. (a) (Contract No. 2) 18 houses, (No. 3) 18 houses, (No. 4) 19 houses, (No. 5) 18 houses and flats, (No. 6) 19 houses. (b) Borough Engineer, 38, Grosvenor Place. (c) 2gns each contract. (c) July 28.

NEWCASTLE-UPON-TYNE C.C. (a) Omnibus and trolley vehicle depot at Slatford Lane. (b) City Architect, 18, Cloth Market. (c) 5gns. (e) Aug. 18.

NEWTON ABBOT U.C. (a) (Contract No. 19) 42 houses, Buckland Estate. (b) Council's Surveyor, 18, Devon Square. (c) 5gns. (d) July 21.

ROCHDALE B.C. (a) Repairs and alterations to homes for the aged at Horse Carrs, Eversleigh, Lauriston and Roylelands. (b) Borough Surveyor, Town Hall. (c) July 25.

SALFORD C.C. (a) 57 flats in 3-storey block at Lord Street. (b) City Engineer, Town Hall. (c) 3gns. (e) Aug. 15.

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SCOTLAND—BERWICK C.C. (a) 2 houses at Gordon, 10 at Leitholm, 12 at Reston. (b) Messrs. J. and J. Hall, Ladhopevale, Galashiels. (c) July 27. Separate trades.

SCOTLAND—STIRLINGSHIRE (a) Adaptations and additions to hospital block to form villa block at The Colony, Larbert, for Board of Management for the Royal Scottish National Institution, Larbert. (b) Messrs. Cullen, Lochhead and Brown, 119, Cadzow Street, Hamilton. (d) July 16. Separate trades.

STRETTFORD B.C. (a) (Scheme 13) 4 pairs of houses, 3 blocks of 4 flats and block of 8 flats. (Scheme 14) 5 pairs of houses, 3 blocks of 4 flats and block of 8 flats. (Scheme 15) 8 pairs of houses and 2 blocks of 8 flats, East Section of Christie Road site. (b) Borough Surveyor, Town Hall. (c) 2gns each item. (e) July 30.

SEATON VALLEY U.C. (a) Mortuary and garage at the Council Offices. (b) Council's Surveyor, Council Offices, Seaton Delaval. (c) July 24.

SUNDERLAND B.C. (a) Block of 5 shops and flats at junction of Hylton Lane and Holborn Road. (b) Borough Architect, Grange House, Stockton Road. (c) 2gns. (e) July 30.

WALES GAS BOARD—ABERGAVENNY UNDERTAKING. (a) Adaptations to No. 10 Cross Street, Abergavenny, to form offices, showrooms, and other works. (b) Messrs. J. Merton Jones and Son, St. Mary's Chambers, Abergavenny. (c) July 28.

WEST SUSSEX C.C. (a) Fire station at Billingshurst. (b) County Architect, County Hall, Chichester. (d) July 17.

WOKING U.C. (a) Conversion of two buildings into public conveniences at (1) Commercial Road Car Park, Woking, and (2) Station Approach, West Byfleet. (b) Engineer and Surveyor, Council Offices. (c) 2gns each contract. (e) July 28.

YEOVIL B.C. (a) 22 houses, Milford Estate. (b) Messrs. Petter, Warren and Roydon Cooper, The Old Oxford Inn, West Hendford. (c) 2gns. (e) July 23.

CROYDON B.C. (a) Alterations and renovations to old people's home at 35, Ross Road, South Norwood. (b) Borough Engineer, Town Hall. (c) 2gns. (e) July 20.

PLACED

Notes on contracts placed state locality and authority in bold type with (1) type of work, (2) site, (3) name of contractor and address, (4) amount of tender or estimate. † denotes that work may not start pending final acceptance, or obtaining of licence, or modification of tenders, etc.

BUILDING

HULL. (1) Main building contract for factory for Imperial Typewriter Co. Ltd., Leicester. (2) Hedon Road. (3) Quibell and Son, Ltd., Beverley Road, Hull. (4) Cost: £500,000.

LONDON COUNTY COUNCIL. (1) 36 flats in three blocks. (2) Ocean Estate, Stepney. (3) W. J. Simms, Sons and Cooke, Ltd., 78, Mount Street, London, W.1. (4) £60,459.

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LAMBETH B.C. (1) 78 dwellings. (2) Benton's Lane. (3) J. Jarvis and Sons, Ltd., 12, Buckingham Palace Gardens, S.W.1. (4) £157,520.

HEREFORDSHIRE C.C. (1) Primary school. (2) Leominster. (3) W. Brown and Co. (Hereford), Ltd., Bath Street, Hereford. (4) £62,375.

NORFOLK COUNTY COUNCIL. (1) Constabulary Divisional Headquarters. (2) King's Lynn. (3) Kerridge (Cambridge), Ltd., 24-46, Sturton Street, Cambridge. (4) £75,000.

BRADFORD. (1) Factory for Pearson and Foster (Bradford), Ltd. (3) L. and W. Morrell, Ltd., Low Moor, Bradford. (4) Cost: £40,000.

EALING B.C. (1) 76 dwellings in 5-storey blocks. (2) Northolt Grange Estate. (3) T. Jones, of Wealdstone, Harrow. (4) £131,410.

BEDFORD CORPORATION. (1) 64 flats. (2) Old Ford End. (3) Lindum (Lincoln), Ltd., Kempston Road, Bedford. (4) £64,873. (1) 16 houses. (3) Besbuilt, Ltd., Harper Street, Bedford. (4) £22,653.

BARNSELY CORPORATION. (1) 100 houses. (2) Athersley Estate. (3) Direct labour. (4) £125,000.

ST. HELENS B.C. (1) 86 houses, 16 flats. (2) Carr Mill. (3) Direct labour. Borough Engineer: M. Ward.

LEIGH. (1) Casualty department. (2) Leigh Infirmary, for Manchester Regional Hospital Board. (3) A. E. Prescott, Ltd., Holden Road, Leigh. (4) £57,900.

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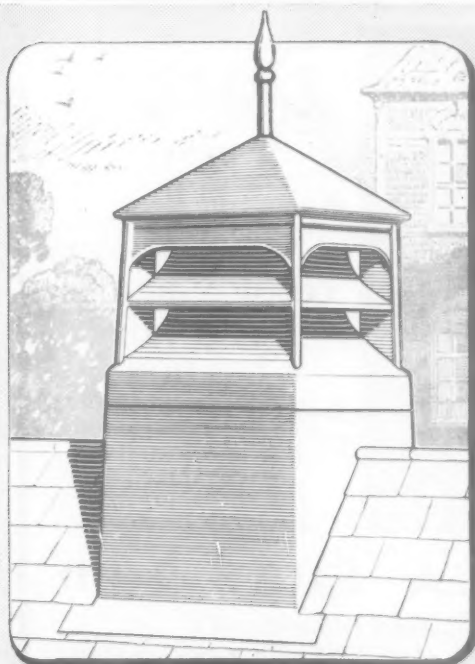
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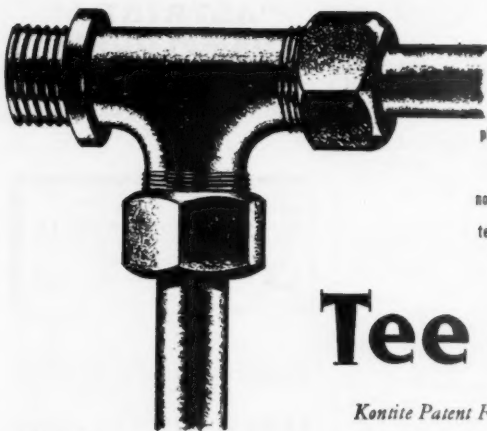
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APPOINTMENTS

DENBIGHSHIRE COUNTY COUNCIL.

COUNTY ARCHITECT'S DEPARTMENT.

THE above County Council invites applications for the under-mentioned appointments in the County Architect's Department, Wrexham, viz.:-

- 1 **SECTIONAL ARCHITECT.** A.P.T. Division Grade IX. Salary £790-£910 per annum.

Associates, R.I.B.A., must have had thorough training in architectural design and construction of Modern school buildings and other works carried out by County Authorities, and must be capable of taking full charge of one Drawing Office comprising at least 10 assistants.

- 1 **SENIOR ASSISTANT ARCHITECT.** A.P.T. Division Grade VII. Salary £685-£760 per annum.

Preference will be given to Associates of R.I.B.A. Applicants must have had a thorough training in architectural design and construction of Modern school buildings and other works carried out by County Authorities.

- 2 **SENIOR ASSISTANT ARCHITECTS.** A.P.T. Division Grade VI. Salary £645-£710 per annum.

Preference will be given to Associates of R.I.B.A. Applicants must have had a thorough training in architectural design and some experience in the construction of Modern school buildings and other works carried out by County Authorities.

- 1 **ASSISTANT ARCHITECT.** A.P.T. Division Grade IV. Salary £530-£575 per annum.

Preferably Members of R.I.B.A. Must have had good experience in architectural design and in the preparation of working drawings and details.

- 1 **ASSISTANT QUANTITY SURVEYOR.** A.P.T. Division Grade V. Salary £570-£620 per annum.

Candidates should be Members of the Royal Institute of Chartered Surveyors (Quantity Surveying Section), and must show evidence of special ability and experience as a "taker-off" for all types of buildings works undertaken by a County Authority. In addition, he should be familiar with, and will be required to undertake "working-up" in all stages, specification writing, measurement of work on site, final accounts, and the preparation of cost statistics.

- 1 **SPECIFICATION WRITER.** A.P.T. Division Grade V. Salary £570-£620 per annum. Applicants must have had architectural and Quantity Surveying experience, and possess a thorough knowledge of current Building Practice and Materials.

They must be fully capable of preparing detailed Specifications for Building and Painting works of all descriptions in connection with County Council properties, and be able to prepare enquiries and deal with Provisional Sum Items in connection with new building projects. The successful applicant will also be required to assist generally in the Quantity Surveyor's Department.

- 1 **LANDS AND BUILDINGS SURVEYOR.** A.P.T. Division Grade V. Salary £570-£620 per annum.

Preference will be given to Members of the Royal Institution of Chartered Surveyors, Sub-Division III (Building).

Applicants must be fully capable of producing accurate surveys of building sites, and sites in respect of water and sewage schemes; preparation of survey plans, site lay-outs and reports and estimating cost of the works; measuring up and surveying existing buildings and preparation of reports.

The appointments are subject to (a) the National Conditions of Service for Local Government Administrative, etc. Officers, (b) the Local Government Superannuation Act, 1937, (c) the passing of a Medical examination, and (d) one calendar month's written notice on either side to expire at the end of a calendar month.

Applications, giving age, qualifications and particulars of present and previous appointments, and accompanied by copies of three recent testimonials, to be sent to the undersigned by not later than the 25th day of July, 1951.

W. E. BUFTON,

Clerk of the County Council.

County Offices, Ruthin.
16th June, 1951.

[573]

APPOINTMENTS—contd.

LONDON COUNTY COUNCIL.

APPLICATIONS are invited for positions of ARCHITECTURAL ASSISTANT (salaries up to £580 basic a year) in the Housing and Valuation Department. Commencing salaries will be determined according to qualifications and experience. Engagement will be subject to the Local Government Superannuation Acts, and successful candidates will be eligible for consideration for appointment to the permanent staff on the occurrence of vacancies.

All rates of pay up to £600 a year (basic) are at present subject to an addition of ten per cent.

Successful candidates will be required to assist in the design, layout and preparation of working drawings for housing schemes (cottages and multi-storey flats) and will be employed in the Housing Architect's Division.

Forms of application may be obtained from the Director of Housing, The County Hall, Westminster Bridge, S.E.1 (stamped addressed envelope required and quote reference A.A.1). Canvassing disqualified. (816).

[0108]

CORPORATION OF LONDON.

APPOINTMENT OF ARCHITECTURAL AND SURVEYING ASSISTANT—AUXILIARY STAFF

APPLICATIONS are invited for the appointment of an ASSISTANT within the range of the General Grade, maximum salary £540, at age 30 years, commencing salary related to age by scale, minimum age 23 years. Applicants should have had good office experience and be preparing for Intermediate R.I.B.A. or R.I.C.S. Examination.

The appointed officer will require to pass a medical examination and to contribute to the Corporation's Superannuation Fund as maintained under the City of London (Various Powers) Acts, 1931 and 1950.

Applications, giving full personal details, particulars of qualifications, experience, age, past and present appointments and the names of two persons to whom reference may be made, should be sent to the City Surveyor, Corporation of London, 55-61, Moorgate, London, E.C.2, not later than the 23rd July, 1951.

[5778]

BOROUGH OF BEDDINGTON AND WALLINGTON.

CHIEF ARCHITECTURAL ASSISTANT.

APPLICATIONS invited for above appointment. Salary A.P.T. VA/VI (£600/£710) plus London Weighting. Applicants should hold the qualification of the final examination of the R.I.B.A. or its equivalent. Experience is required in municipal housing schemes, flats, adaptations, estimating and supervision of works.

HOUSING ACCOMMODATION WILL BE PROVIDED FOR THE SUCCESSFUL CANDIDATE.

Application forms and further particulars obtainable from undersigned. Closing date Saturday, 21st July, 1951.

A. B. BATEMAN, Town Clerk.
Town Hall, Wallington, Saturday,
2nd July, 1951.

[5581]

BERKSHIRE COUNTY COUNCIL.

APPLICATIONS are invited for the following appointment in the County Architect's Department:

- ASSISTANT QUANTITY SURVEYOR. Salary Grade VIII £735-£810.

Candidates should have passed the Final Examination of the Royal Institution of Chartered Surveyors in the Quantity Surveying Sub-Division and should have had considerable experience in taking-off in accordance with the Standard Method of Measurement and the settlement of accounts for all classes of building work.

Application forms and further particulars can be obtained from the County Architect, Wilton House, Parkside Road, Reading, to whom they should be returned completed by noon on Thursday, the 19th July, 1951.

E. R. DAVIES, Clerk of the Council.
Shire Hall, Reading.
July, 1951.

[5584]

APPOINTMENTS—contd.

CITY OF MANCHESTER EDUCATION COMMITTEE.

MUNICIPAL SCHOOL OF ART.

Principal: John M. Holmes, Dip. Fine Art (Lond.).

DEPARTMENT OF ARCHITECTURE.

APPLICATIONS are invited for the post of full-time LECTURER for studio work in Architectural Design and Constructional subjects. Candidates must be Associates or Fellows of the R.I.B.A. and should have had teaching and office experience with an all-round knowledge of the theory and practice of Architecture and Building.

Salary in accordance with the Lecturers' Scale of the Burnham Further Education Report, 1951 (£900 × £25—£1,000 men, £730 × £20—£800 women).

Application forms and conditions of appointment may be obtained (stamped, addressed foolscap envelope) from the Chief Education Officer, Deansgate, Manchester, 3, to whom completed applications should be returned by not later than 28th June, 1951.

[5582]

GOVERNMENT OF NORTHERN IRELAND MINISTRY OF FINANCE

CHIEF ARCHITECT'S BRANCH

APPLICATIONS are invited for ASSISTANT ARCHITECT posts in the Ministry of Finance. Subject to a probationary period of two years, the posts are permanent and pensionable.

REMUNERATION: The scale is £300 × £25—£750. The entry point to this scale depends on age, viz., £500 at age 26 plus £25 for each year above that age. The upper entry point is, however, subject to a limit of £650 per annum.

QUALIFICATIONS: Candidates must be Registered Architects by examination. In addition, they must have had at least two years' experience in an Architect's Office or Department in the preparation of working drawings for new buildings.

Preference will be given to candidates who have served in H.M. Forces in wartime, provided that such candidates can, or within a reasonable time will be able to, fill the posts efficiently.

Application forms may be obtained from the Secretary, Civil Service Commission, Stormont, Belfast, to whom they must be returned with copies of two recent testimonials.

[5588]

WELSH REGIONAL HOSPITAL BOARD.

APPLICATIONS are invited for the following post in the Architect's Department:—

- ASSISTANT QUANTITY SURVEYOR, Apt. IV. Salary £480-£525.

Candidates should hold the Intermediate Certificate of the Royal Institute of Chartered Surveyors and should have had experience in the preparation of Bills of Quantities, detailed estimates of cost and the settling of final accounts.

The appointment is superannuable, and is terminable by one month's notice on either side.

Applications, stating present appointment, age, qualifications and experience, and the names of two referees, should be addressed to the Secretary of the Board, Temple of Peace and Health, Cathays Park, Cardiff, to reach him not later than August 10, 1951.

[5590]

OTLEY URBAN DISTRICT COUNCIL.

HOUSING DEPARTMENT—ARCHITECTURAL ASSISTANT.

APPLICATIONS are invited for this post existent for the duration of the housing programme. Salary—Grade V. Housing accommodation available, if necessary.

Applications, stating age, etc., qualifications and experience, and the names of two referees, to be sent so as to reach the undersigned not later than the 28th July, 1951.

J. B. HARWOOD, Clerk of the Council.
Council Offices, North Parade,
Otley, Yorks.
6th July, 1951.

[5593]

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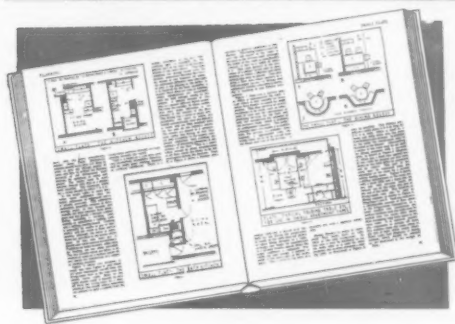
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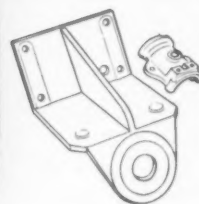
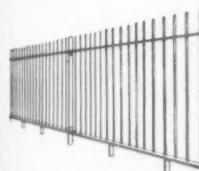
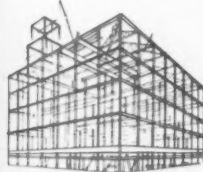
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